



Vanasse Hangen Brustlin, Inc.

August 2, 2011

Connecticut Department of Energy and Environmental Protection  
Waste Management Bureau: WEED-District 1  
79 Elm Street  
Hartford, CT 06106

Attention Mr. Dave Ringquist

**RE: 2011 – Second Quarter Sampling Event**  
Former Envirite RCRA Facility  
Old Waterbury Road  
Thomaston, Connecticut

Dear Mr. Ringquist:

This report documents the observations and analytical results of the second quarterly sampling event of 2011 at the former Envirite facility located in Thomaston, Connecticut. Monitoring and sampling of select site groundwater monitoring wells was conducted on June 15<sup>th</sup> and 16th, 2011. This sampling event was conducted as part of a post-closure monitoring program for the landfill. Figure 1 shows the location of the wells and inferred groundwater contours for the June 2011 sampling event. Depth to water measurements were collected from all monitored wells on June 15<sup>th</sup> and 16th, 2011. Tables 1 through 4 present field data, laboratory analytical results, and comparisons with potentially applicable Connecticut Department of Energy and Environmental Protection (CTDEEP) cleanup criteria (based on the Remediation Standard Regulations and Water Quality Standards) and Table 5 presents calculated horizontal and vertical hydraulic gradient information.

#### **GROUNDWATER SAMPLING AND ANALYSIS**

Vanasse Hangen Brustlin, Inc. (VHB) personnel collected the samples and Phoenix Environmental Laboratories, Inc. (Phoenix), a Connecticut certified laboratory, analyzed the samples. Sampling and analytical procedures were performed according to Envirite's revised Post-Closure Plan, dated April 1987, as approved by the United States Environmental Protection Agency (USEPA) and CTDEEP. After recording depth to water measurements in each well, the wells were purged using a submersible pump or peristaltic pump until approximately three (3) well volumes of water is removed. Groundwater samples were then collected from the two-inch (2") diameter wells using dedicated bailers. Monitoring wells MW-30, MW-31S, and MW-36 are 1.5 inch diameter wells and therefore samples are collected using a peristaltic pump and dedicated polyethylene tubing.

Samples from Resource Conservation and Recovery Act (RCRA) quarterly monitoring wells were analyzed in the field for specific conductivity, pH, and temperature. Specific conductivity, pH, and temperature measurements were collected using a handheld YSI Model 63 meter.

The meter was calibrated according to manufacturer's recommendations prior to use.

Phoenix analyzed the samples for volatile organic compounds (VOCs) and selected inorganic constituents. A complete parameter list for these samples is provided on the laboratory data sheets included in the Appendix. Samples were analyzed according to USEPA Method 8260 and by additional methods described in "Test Methods for Evaluating Solid Waste" USEPA SW-846, 1996 and "Standard Methods for Examination of Water and Wastewater", APHA-AWWA-WPCF, 1995. The sampling and analytical protocols used were consistent with Envirite's post-closure plan and subsequent revisions including the response to the EPA's review and comment of Envirite's groundwater assessment plan (May 18, 1992).

Quality control samples included a duplicate sample (from monitoring well MW-42S), a field blank, a trip blank (for VOCs only), and an equipment blank. Water samples were collected in appropriate, laboratory-supplied containers and preserved according to the approved Post-Closure Plan. The VHB field log is presented in the Appendix. VHB collected surface water samples from Branch Brook at locations upstream and downstream of the Envirite site.

## ANALYTICAL RESULTS

Tables 1 and 2 summarize the results of analyses for the RCRA quarterly monitoring for wells located in GB and GA areas, respectively. The analytical data for the surface water samples and the quality control samples are presented in Tables 3 and 4, respectively. The tables summarize data for VOCs, dissolved metals, ammonia, chloride, cyanide (total), nitrate, nitrite, phenols, sulfate, total dissolved solids (TDS), total suspended solids (TSS), total organic carbon (TOC), and total organic halides (TOX). Field measured parameters of pH and specific conductance are also summarized in Tables 1 through 4.

The CTDEP Remediation Standard Regulations (RSRs)<sup>1</sup> are provided on the groundwater analytical summary tables for reference only. The 95% Upper Confidence Level (UCL) and average values will be calculated and compared to the Residential Volatilization Criteria (RVC), the Industrial/Commercial Volatilization Criteria (IVC), the Surface Water Protection Criteria (SWPC) and Ground Water Protection Criteria (GWPC) for the data collected in 2011. These comparisons will be presented in the 2011 Annual Report. Surface water samples were compared to the Water Quality Standards (WQS) for Class A Surface Waters. Values exceeding the WQS (standards are noted on tables) are identified in bold type.

### Volatile Organic Compounds

The results of analyses for VOCs are summarized in Tables 1 and 2 for wells located in GB and GA areas, respectively. VOCs were detected in twelve (12) of the fifteen (15) samples collected. These VOCs included 1,2-dichloroethane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, styrene, 4-methyl-2-pentanone, acetone, benzene, cis-1,2-dichloroethene, ethylbenzene, isopropylbenzene,

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<sup>1</sup> It should be noted that Envirite's legal counsel had advised that, according to the Regulations of Connecticut State Agencies Section 22a-133k-1(b), the RSRs do not apply to areas that are affected by discharges allowed under a ground water discharge permit issued pursuant to Section 22a-430. Envirite has held a ground water discharge permit since 1984 at the Thomaston facility. Thus while compliance with RSRs is one indicator of potential need for remediation to CTDEEP, USEPA, and Envirite, these regulations are not strictly applicable to ground water constituent levels at the Thomaston facility.



methyl ethyl ketone (MEK), naphthalene, n-propylbenzene, p-isopropyltoluene, tetrachloroethene (PCE), tetrahydrofuran, toluene, trans-1,2-dichloroethene, trichloroethene (TCE), vinyl chloride (VC), and xylenes. In line with historical results MW-31S had the highest reported concentrations of many of the VOCs detected.

During this sampling event, the following VOCs were reported with the highest concentrations in the sample collected from MW-31S; 1,2-dichloroethane (21 µg/l), 1,2,4-trimethylbenzene (440 µg/l), 1,3,5-trimethylbenzene (120 µg/l), styrene (69 µg/l), 4-methyl-2-pentanone (35,000 µg/l), acetone (4,000 µg/l), benzene (190 µg/l), cis-1,2-dichloroethene (2,700 µg/l), ethylbenzene (3,700 µg/l), isopropylbenzene (130 µg/l), MEK (15,000 µg/l), naphthalene (150 µg/l), n-propylbenzene (57 µg/l), p-isopropyltoluene (13 µg/l), tetrahydrofuran (490 µg/l), toluene (14,000 µg/l), trans-1,2-dichloroethene (19 µg/l), VC (660 µg/l), and xylenes (11,300 µg/l). The constituents detected in MW-31S are most likely attributable to the Pre-Envirite Waste Material (PEWM) located in close proximity to the well. Statistical analysis will be performed for the four quarters of samples that have been collected in 2011, and the analysis will be compared to the RSRs in the 2011 Annual Report.

### **Metals**

The results of analyses for total metals are summarized in Tables 1 and 2 for wells located in GB and GA areas, respectively. Metals were detected in all fifteen (15) samples collected. These metals include barium, cadmium, chromium, copper, iron, manganese, nickel, sodium, and zinc. The highest concentrations of the metals cadmium, chromium, iron, manganese, nickel, and zinc were reported in the sample collected from MW-31S. Statistical analysis will be performed for the four (4) quarters of samples that have been collected in 2011, and the analysis will be compared to the RSRs in the 2011 Annual Report.

### **Field Measurements and Indicator Parameters**

The results of field measurements and indicator parameters are summarized in Tables 1 and 2 for wells located in GB and GA areas, respectively. In general, the concentration and distribution of the field measurements and indicator constituents for the wells are consistent with historical analytical data from the site.

### **Surface Water Samples**

The surface water samples (upstream and downstream of the landfill) were collected from Branch Brook, which is classified as a Class B/A waterbody, and is required to meet Class A Water Quality Standards. As shown in Table 3, no targeted VOCs were detected in either sample and no other analytes were detected at concentrations exceeding applicable CTDEEP Class A Surface Water Criteria. The reported metal concentrations and indicator parameters do not differ significantly between the upstream and downstream samples.

### **QA/QC Results**

QA/QC samples consisted of a duplicate sample from monitoring well MW-42S, a Field Blank, an Equipment Blank (analyzed for parameters identical to the well samples), and a Trip Blank (analyzed for VOCs only). The analytical results obtained from the original and duplicate samples from monitoring well MW-42S correspond well. No target analytes (VOCs) were detected in the Trip Blank (Table 4).

A Field Blank was created by transferring deionized water into sample containers. An Equipment Blank was created by passing laboratory-supplied deionized water through decontaminated and rinsed sampling tubing into sample containers. The Field Blank and Equipment Blank were created



while on-Site in the vicinity of monitoring well MW-33. Low levels of dissolved iron (5 µg/l) were reported in both the Equipment and Field Blank. Since identical levels of dissolved iron were reported in both samples, it appears as though a low level of iron was present in the deionized water supplied by the laboratory. A total organic halogens concentration of 39 µg/l was reported in the Equipment Blank.

### Statistical Data Analysis

Statistical analysis will be performed for the four quarters of data collected in 2011. The results will be summarized in the 2011 Annual Report.

### GROUNDWATER FLOW DIRECTION

Groundwater monitoring measurements were made prior to purging the wells. Groundwater elevation data are summarized on Tables 1 and 2, and inferred groundwater contours are presented on Figure 1.

Based on interpretation of available data, the horizontal component of shallow groundwater flow is predominantly to the south with a hydraulic gradient of approximately 0.0057 ft/ft. These observations are generally consistent with earlier data. The vertical gradient of groundwater flow was calculated at the three (3) clusters gauged as part of this sampling, the MW-41 cluster, MW-43 cluster, and MW-44 cluster. The vertical gradients were calculated using the difference in groundwater elevation measured at each well divided by the difference in elevation of the midpoint of the screen at each well. Vertical gradients were upward between the deep and shallow overburden and downward from the deep overburden to bedrock ranging from 0.02 ft/ft to 0.19 ft/ft, one to two orders of magnitude greater than the horizontal hydraulic gradient. Refer to the attached Table 5 for the calculated horizontal and vertical gradients.

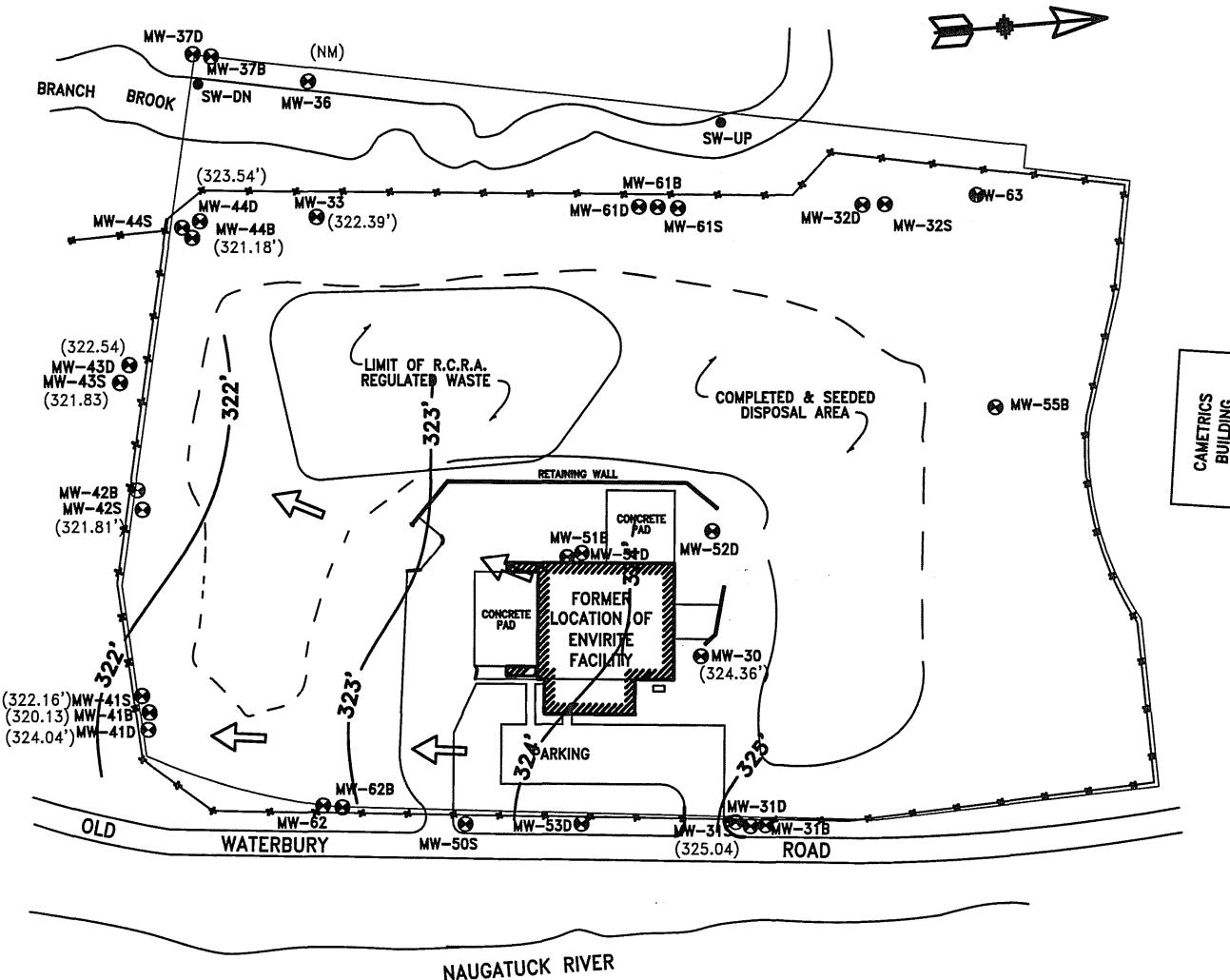
If you have any questions or comments on the information presented in this report, please call the undersigned at your convenience.

Sincerely,  
Vanasse Hangen Brustlin, Inc.

Philip M. Rydel

Philip M. Rydel  
*Senior Environmental Scientist*

cc: Bob Brackett, USEPA, Boston, MA  
G. Stengel, Jr., Envirite Corporation  
J. Noble, ENVIRON International Corporation



#### LEGEND

- = BUILDING LINE
- = PROPERTY LINE
- = FENCE LINE
- = WALK/STREET
- = RIVER/BROOK
- = EXISTING MONITORING WELL
- (324.50) = ELEVATION OF GROUNDWATER IN FEET RELATIVE TO A COMMON DATUM
- 324 — = GROUNDWATER ELEVATION CONTOUR (DASHED WHEN INFERRED)
- ← = DIRECTION OF FLOW

#### NOTE:

DATA FROM THE FOLLOWING MONITORING WELLS WERE USED TO CONSTRUCT THIS MAP, MW-30, MW-31S, MW-33, MW-41S, MW-42S, AND MW-43S.

SCALE  
0 100'

ALL LOCATIONS ARE APPROXIMATE

#### MAP INFORMATION

BASED ON "GZA" GEOENVIRONMENTAL, INC.  
DWG. NO. 2-5, PROJECT NO. 41302.4  
TITLED: BEDROCK CONTOUR PLAN,  
DATED: MARCH 15, 1995 &  
R.C.R.A. MONITORING (GROUNDWATER CONTOUR  
PLAN) PROJECT #41391.1, FIG.2.

GROUNDWATER CONTOURS BASED UPON DEPTH  
MEASUREMENTS COLLECTED ON 6/15 & 6/16/11.

Vanasse Hangen Brustlin, Inc.

2ND Q 2011 GROUNDWATER CONTOURS  
ENVIRITE/THOMASTON LANDFILL  
OLD WATERBURY ROAD  
THOMASTON, CONNECTICUT

TABLE 1. SUMMARY OF ANALYTICAL RESULTS, GB WELLS  
Thomaston, Connecticut  
2011 Second Quarter

CTDEP CRITERIA (ug/L)					WELL Reference Elevation	Date 6/16/11 341.71	MW-30 6/16/11 340.30	MW-31S 6/16/11 340.49	MW-33 6/16/11 334.41	MW-41S 6/15/11 335.26	MW-41D 6/15/11 335.26	MW-41B 6/15/11 335.26	MW-42S 6/15/11 340.43	MW-42S (dup) 6/15/11 340.43	MW-43S 6/15/11 340.43	MW-43D 6/15/11 340.65	MW-44D 6/15/11 340.33	MW-44B 6/15/11 339.28
RVC ug/L	2 x RVC ug/L	IVC ug/L	2 x IVC ug/L	SWPC ug/L														
					Depth to Water Water Level Elevation (feet)	17.35 324.36	15.26 325.04	18.10 322.39	12.25 322.16	11.22 324.04	15.13 320.13	18.62 321.81	18.62 321.83	18.60 322.54	18.11 323.54	16.79 323.54	18.1 321.18	
					pH (standard units)	6.19	7.15	6.57	7.10	8.63	7.07	7.58	7.58	6.51	6.36	7.11	6.55	
					Specific Conductance ( $\mu\text{mhos}/\text{cm}$ )	2.8	3.2	0	381	278	939	945	945	712	659	888	0	
					Volatile Organic Compounds*													
6,500	13,000	16,000	32,000	62,000	1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1.8	3.6	54	108	110	1,1,2,2-Tetrachloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
220	440	2,900	5,800	1,260	1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
3,000	6,000	41,000	82,000	NE	1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
190	380	920	1,840	96	1,1-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
5,100	10,200	50,000	100,000	170,000	1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
6.5	13	68	136	2,970	1,2-Dichloroethane	BDL	21	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
7.4	15	58	116	NE	1,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
4,300	8,600	50,000	100,000	26,000	1,3-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,400	2,800	3,400	6,800	26,000	1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
360	720	4,800	9,600	NE	1,2,4-Trimethylbenzene	BDL	440	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
280	560	3,900	7,800	NE	1,3,5-Trimethylbenzene	BDL	120	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
3,100	6,200	42,000	84,000	NE	Styrene	BDL	69	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	2-Hexanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	4-Methyl-2-pentanone	BDL	35,000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
50,000	100,000	50,000	100,000	NE	Acetone	BDL	4,000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	Acrolein	NT	BDL	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
NE	NE	NE	NE	20	Acrylonitrile	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
130	260	310	620	710	Bromodichloromethane	BDL	190	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
2.3	5	73	146	NE	Bromoform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
75	150	2,300	4,600	10,800	Bromomethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	Carbon Tetrachloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
5.3	11	14	28	132	Chlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,800	3,600	23,000	46,000	420,000	Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
12,000	24,000	29,000	58,000	NE	Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
26	52	62	124	14,100	Chloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
830	1,660	11,000	22,000	NE	cis-1,2-Dichloroethene	31	2,700	1.7	21	53	58	6.9	6.9	8.4	77	13.0	32	
6	12	25	50	34,000	cis-1,3-Dichloropropene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
2,700	5,400	36,000	72,000	580,000	Dibromochloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
2,800	5,600	6,800	13,600	NE	Ethylbenzene	BDL	3,700	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
160	320	2,200	4,400	48,000	Isopropylbenzene	BDL	130	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
21,000	42,000	50,000	100,000	NE	Methyl ethyl ketone	BDL	15,000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	Methyl t-butyl ether (MTBE)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	Naphthalene	BDL	150	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	n-Propylbenzene	BDL	57	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	p-Isopropyltoluene	BDL	13	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
340	680	810	1,620	88	sec-Butylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NE	NE	NE	NE	NE	tert-Butylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
7,100	14,200	41,000	82,000	4,000,000	Tetrachloroethylene	12	BDL	1.8	4.2	13	4.6	4.7	4.8	7.1	30	5	7.2	
1,000	2,000	13,000	26,000	NE	Tetrahydrofuran	BDL	490	BDL	BDL									

TABLE 2. SUMMARY OF ANALYTICAL RESULTS, GA WELL (MW-36)

Thomaston, Connecticut  
2011 Second Quarter

GWPC	CTDEP CRITERIA (ug/L) <sup>1</sup>						Reference Elevation	WELL Date	MW-36 6/16/11		
	ug/L	2 x GWPC	RVC	2 x RVC	IVC	2 x IVC	SWPC				
						Field Parameters					
						Depth to Water	NM				
						Water Level Elevation (feet)					
						pH (standard units)	6.22				
						Specific Conductance ( $\mu\text{mhos}/\text{cm}$ )	302				
						Volatile Organic Compounds*					
200	400	6,500	13,000	16,000	32,000	62,000	1,1,1-Trichloroethane	BDL			
0.5	1	1.8	3.6	54	108	110	1,1,2,2-Tetrachloroethane	BDL			
5	10	220	440	2,900	5,800	1,260	1,1,2-Trichloroethane	BDL			
70	140	3,000	6,000	41,000	82,000	NE	1,1-Dichloroethane	BDL			
7	14	190	380	920	1,840	96	1,1-Dichloroethene	BDL			
600	1,200	5,100	10,200	50,000	100,000	170,000	1,2-Dichlorobenzene	BDL			
1	2	6.5	13	68	136	2,970	1,2-Dichloroethane	BDL			
5	10	7.4	15	58	116	NE	1,2-Dichloropropane	BDL			
600	1,200	4,300	8,600	50,000	100,000	26,000	1,3-Dichlorobenzene	BDL			
75	150	1,400	2,800	3,400	6,800	26,000	1,4-Dichlorobenzene	BDL			
NE	NE	NE	NE	NE	NE	NE	2-Chloroethyl vinyl ether	NT			
NE	NE	NE	NE	NE	NE	NE	Acrolein	NT			
0.5	1	NE	NE	NE	NE	20	Acrylonitrile	BDL			
1	2	130	260	310	620	710	Benzene	BDL			
0.56	1	2.3	5	73	146	NE	Bromodichloromethane	BDL			
4	8	75	150	2,300	4,600	10,800	Bromoform	BDL			
9.8	20	NE	NE	NE	NE	NE	Bromomethane	BDL			
5	10	5.3	11	14	28	132	Carbon Tetrachloride	BDL			
100	200	1,800	3,600	23,000	46,000	420,000	Chlorobenzene	BDL			
NE	NE	12,000	24,000	29,000	58,000	NE	Chloroethane	BDL			
6	12	26	52	62	124	14,100	Chloroform	BDL			
2.7	5	NE	NE	NE	NE	NE	Chloromethane	BDL			
0.5	1	6	12	25	50	34,000	cis-1,3-Dichloropropene	BDL			
0.5	1	NE	NE	NE	NE	1,020	Dibromochloromethane	BDL			
700	1,400	2,700	5,400	36,000	72,000	580,000	Ethylbenzene	BDL			
5	10	160	320	2,200	4,400	48,000	Methylene Chloride	BDL			
5	10	340	680	810	1,620	88	Tetrachloroethylene	BDL			
1,000	2,000	7,100	14,200	41,000	82,000	4,000,000	Toluene	BDL			
100	200	1,000	2,000	13,000	26,000	NE	trans-1,2-Dichloroethene	BDL			
0.5	1	6	12	25	50	34,000	trans-1,3-Dichloropropene	BDL			
5	10	27	54	67	134	2,340	Trichloroethene	BDL			
1,300	2,600	NE	NE	NE	NE	NE	Trichlorofluoromethane	BDL			
2	4	1.6	3.2	52	104	15,750	Vinyl Chloride	BDL			
						Metals					
1,000	2,000	NE	NE	NE	NE	NE	Barium, Dissolved	47			
5	10	NE	NE	NE	NE	6	Cadmium, Dissolved	BDL			
50 (Cr total)	100	NE	NE	NE	NE	110 (Cr VI)	Chromium, Dissolved	BDL			
1,300	2,600	NE	NE	NE	NE	48	Copper, Dissolved	BDL			
NE	NE	NE	NE	NE	NE	NE	Iron, Dissolved	5			
NE	NE	NE	NE	NE	NE	NE	Manganese, Dissolved	BDL			
100	200	NE	NE	NE	NE	880	Nickel, Dissolved	3			
NE	NE	NE	NE	NE	NE	NE	Sodium, Dissolved	48,600			
5,000	10,000	NE	NE	NE	NE	123	Zinc, Dissolved	10			
						Indicator Parameters					
NE	NE	NE	NE	NE	NE	NE	Ammonia Nitrogen	160			
NE	NE	NE	NE	NE	NE	NE	Chloride, Water	82,000			
200	400	NE	NE	NE	NE	52	Cyanide, Water	BDL			
NE	NE	NE	NE	NE	NE	NE	Nitrate Nitrogen, Water	590			
NE	NE	NE	NE	NE	NE	NE	Nitrite Nitrogen, Water	BDL			
NE	NE	NE	NE	NE	NE	NE	Phenols, Water	BDL			
NE	NE	NE	NE	NE	NE	NE	Sulfate, Water	37,000			
NE	NE	NE	NE	NE	NE	NE	Total Dissolved Solids, Water	230,000			
NE	NE	NE	NE	NE	NE	NE	Total Organic Carbon, Water	2,600			
NE	NE	NE	NE	NE	NE	NE	Total Organic Halogens, Water	BDL			
NE	NE	NE	NE	NE	NE	NE	Total Suspended Solids	BDL			

## Notes:

GWPS Ground Water Protection Standard  
 IVC Industrial Volatilization Criteria  
 RVC Residential Volatilization Criteria  
 SWPC Surface Water Protection Criteria  
 NE Not Established  
 NS Not Sampled  
 NM Not Measured  
 BDL Below Detection Limit

\* VOCs analyzed using Method 8260

TABLE 3. SUMMARY OF ANALYTICAL RESULTS, BRANCH BROOK (SURFACE WATER)<sup>1</sup>

Thomaston, Connecticut  
2011 Second Quarter

CTDEP Class A Surface Water Criteria <sup>2</sup> Aquatic Life Criteria Human Health Criteria				Branch Brook Sample Date	SW-DN 6/16/11	SW-UP 6/16/11
Acute ug/L	Chronic ug/L	Consumption of Organisms Only ug/L	Consumption of Water and Organisms ug/L	pH (standard units)	7.54	7.36
				Specific Conductance ( $\mu\text{mhos/cm}$ )	2.1	1.7
NE	NE	NE	NE	1,1,1-Trichloroethane	BDL	BDL
NE	NE	11	0.17	1,1,2,2-Tetrachloroethane	BDL	BDL
NE	NE	42	0.6	1,1,2-Trichloroethane	BDL	BDL
NE	NE	NE	NE	1,1-Dichloroethane	BDL	BDL
NE	NE	3.2	0.057	1,1-Dichloroethene	BDL	BDL
NE	NE	17,000	2,700	1,2-Dichlorobenzene	BDL	BDL
NE	NE	99	0.38	1,2-Dichloroethane	BDL	BDL
NE	NE	39	0.52	1,2-Dichloropropane	BDL	BDL
NE	NE	2,600	400	1,3-Dichlorobenzene	BDL	BDL
NE	NE	2,600	400	1,4-Dichlorobenzene	BDL	BDL
NE	NE	NE	NE	2-Chloroethyl vinyl ether	NT	NT
NE	NE	780	320	Acrolein	NT	NT
NE	NE	0.66	0.059	Acrylonitrile	BDL	BDL
NE	NE	71	1.2	Benzene	BDL	BDL
NE	NE	46	0.56	Bromodichloromethane	BDL	BDL
NE	NE	360	4.3	Bromoform	BDL	BDL
NE	NE	NE	NE	Bromomethane	BDL	BDL
NE	NE	4.4	0.25	Carbon Tetrachloride	BDL	BDL
NE	NE	21,000	100	Chlorobenzene	BDL	BDL
NE	NE	NE	NE	Chloroethane	BDL	BDL
NE	NE	470	5.7	Chloroform	BDL	BDL
NE	NE	NE	NE	Chloromethane	BDL	BDL
NE	NE	1,700	10	cis-1,3-Dichloropropene	BDL	BDL
NE	NE	34	0.41	Dibromochloromethane	BDL	BDL
NE	NE	29,000	700	Ethylbenzene	BDL	BDL
NE	NE	1,600	4.7	Methylene Chloride	BDL	BDL
NE	NE	8.85	0.8	Tetrachloroethylene	BDL	BDL
NE	NE	200,000	1,000	Toluene	BDL	BDL
NE	NE	140,000	100	trans-1,2-Dichloroethene	BDL	BDL
NE	NE	1,700	10	trans-1,3-Dichloropropene	BDL	BDL
NE	NE	81	2.7	Trichloroethene	BDL	BDL
NE	NE	NE	NE	Trichlorofluoromethane	BDL	BDL
NE	NE	525	2	Vinyl Chloride	BDL	BDL
				Metals		
NE	NE	NE	NE	Barium, Dissolved	14.0	12.0
2.02	1.35	10,769	5	Cadmium, Dissolved	BDL	BDL
16 (Cr VI)	11 (Cr VI)	2019 (Cr VI)	100 (Cr VI)	Chromium, Dissolved	BDL	BDL
14.3	4.8	NE	1,300	Copper, Dissolved <sup>3</sup>	2	2
NE	NE	NE	NE	Iron, Dissolved	291	229
NE	NE	NE	NE	Manganese, Dissolved	80	24
260.5	28.9	4,600	610	Nickel, Dissolved	2	3
NE	NE	NE	NE	Sodium, Dissolved	13,700	13,300
65	65	68,740	9,100	Zinc, Dissolved	3.0	4.0
				Indicator Parameters		
see footnote 4(a)	see footnote 4 (b,c)	NE	NE	Ammonia Nitrogen	20	40
NE	NE	NE	NE	Chloride, Water	20,000	18,000
22	5.2	220,000	200	Cyanide, Water	BDL	BDL
NE	NE	NE	NE	Nitrate Nitrogen, Water	150	140
NE	NE	NE	NE	Nitrite Nitrogen, Water	BDL	BDL
NE	NE	NE	NE	Phenols, Water	BDL	BDL
NE	NE	NE	NE	Sulfate, Water	7,200	6,800
NE	NE	NE	NE	Total Dissolved Solids, Water	78,000	78,000
NE	NE	NE	NE	Total Organic Carbon, Water	2,900	2,900
NE	NE	NE	NE	Total Organic Halogens, Water	BDL	BDL
NE	NE	NE	NE	Total Suspended Solids	BDL	BDL

## Notes:

CTDEP Connecticut Department of Environmental Protection  
NE Not established  
BDL Below Detection Limit

## Footnotes:

<sup>1</sup> Samples were collected from Branch Brook, a Class B/A surface water and therefore is required to meet CTDEP Class A surface water quality standards (footnote 2).

<sup>2</sup> Class A Surface Waters are designated for habitat for fish and other aquatic life and wildlife; potential drinking water supplies; recreation; navigation; and water supply for industry and agriculture (State of Connecticut Surface Water Quality Standards, Effective December 17, 2002)

<sup>3</sup> Biological integrity is impaired when the ambient concentration exceeds the acute value on more than 5% of the year and the chronic value more than 50% of the year.

<sup>4</sup> The criteria for ammonia (mg/L as N) vary in response to ambient surface water temperature (T, degrees C) and pH. Biological integrity is considered impaired when:

a. The one-hour average concentration of total ammonia exceeds:

$$[0.275 / 1 + 10^{(T-204-\text{pH})}] + [39 / (1 + 10^{(\text{pH}-7.20)})] \text{ when salmonids are present}$$

- or -

$$[0.411 / 1 + 10^{(T-204-\text{pH})}] + [58.4 / (1 + 10^{(\text{pH}-7.20)})] \text{ when salmonids are absent}$$

b. The four-day average concentration of total ammonia exceeds 2.5 times the value obtained from the formula (c) below.

c. The 30-day average concentration of total ammonia exceeds:

$$[0.0577 / 1 + 10^{(T-204-\text{pH})}] + [2,487 / 1 + 10^{(\text{pH}-7.20)}] \times [\text{MIN}(2.85, 1.45 \cdot 10^{(\text{pH}-7.20)})] \text{ when early life stages are present}$$

- or -

$$[0.0577 / 1 + 10^{(T-204-\text{pH})}] + [2,487 / 1 + 10^{(\text{pH}-7.20)}] \times [1.45 \cdot 10^{(\text{pH}-7.20)} \cdot \text{MAX}(1, 1)] \text{ when early life stages are absent}$$

d. VOCs analyzed using Method 8260

TABLE 4. SUMMARY OF ANALYTICAL RESULTS, QA/QC SAMPLES

Thomaston, Connecticut  
2011 Second Quarter

Sample Description Date	Equipment Blank 6/16/11	Field Blank 6/16/11	Trip Blank 6/16/11
Volatile Organic Compounds*	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL
1,1,2-Trichloroethane	BDL	BDL	BDL
1,1-Dichloroethane	BDL	BDL	BDL
1,1-Dichloroethene	BDL	BDL	BDL
1,2-Dichlorobenzene	BDL	BDL	BDL
1,2-Dichloroethane	BDL	BDL	BDL
1,2-Dichloropropane	BDL	BDL	BDL
1,3-Dichlorobenzene	BDL	BDL	BDL
1,4-Dichlorobenzene	BDL	BDL	BDL
2-Chloroethyl vinyl ether	NT	NT	NT
Acrolein	NT	NT	NT
Acrylonitrile	BDL	BDL	BDL
Benzene	BDL	BDL	BDL
Bromodichloromethane	BDL	BDL	BDL
Bromoform	BDL	BDL	BDL
Bromomethane	BDL	BDL	BDL
Carbon Tetrachloride	BDL	BDL	BDL
Chlorobenzene	BDL	BDL	BDL
Chloroethane	BDL	BDL	BDL
Chloroform	BDL	BDL	BDL
Chloromethane	BDL	BDL	BDL
cis-1,3-Dichloropropene	BDL	BDL	BDL
Dibromochloromethane	BDL	BDL	BDL
Ethylbenzene	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL
Tetrachloroethylene	BDL	BDL	BDL
Toluene	BDL	BDL	BDL
trans-1,2-Dichloroethene	BDL	BDL	BDL
trans-1,3-Dichloropropene	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL
Trichlorofluoromethane	BDL	BDL	BDL
Vinyl Chloride	BDL	BDL	BDL
Metals			
Barium, Dissolved	BDL	BDL	NT
Cadmium, Dissolved	BDL	BDL	NT
Chromium, Dissolved	BDL	BDL	NT
Copper, Dissolved	BDL	BDL	NT
Iron, Dissolved	5	5	NT
Manganese, Dissolved	BDL	BDL	NT
Nickel, Dissolved	BDL	BDL	NT
Sodium, Dissolved	BDL	BDL	NT
Zinc, Dissolved	BDL	BDL	NT
Indicator Parameters			
Ammonia Nitrogen	BDL	BDL	NT
Chloride, Water	BDL	BDL	NT
Cyanide, Water	BDL	BDL	NT
Nitrate Nitrogen, Water	BDL	BDL	NT
Nitrite Nitrogen, Water	BDL	BDL	NT
Phenols, Water	BDL	BDL	NT
Sulfate, Water	BDL	BDL	NT
Total Dissolved Solids, Water	BDL	BDL	NT
Total Organic Carbon, Water	BDL	BDL	NT
Total Organic Halogens, Water	39	BDL	NT
Total Suspended Solids	BDL	BDL	NT

Notes:

BDL Below Detection Limit

NT Not Tested

\* VOCs analyzed using Method 8260

**TABLE 5. SUMMARY OF CALCULATED HYDRAULIC GRADIENTS**

Thomaston, Connecticut  
2011 Second Quarter

Well	Well	Horizontal Distance (in feet)	Measured Groundwater Elevation (in feet)	Calculated Horizontal Gradient (vertical ft of Head/horizontal ft)	
MW-43S	MW-42S	112.60	321.83	321.81	0.000
MW-33	MW-41S	445.30	322.39	322.16	0.001
MW-31S	MW-41S	533.60	325.04	322.16	0.005
MW-30	MW-33	511.70	324.36	322.39	0.004
MW-30	MW-42S	492.80	324.36	321.81	0.005
MW-30	MW-41S	494.40	324.36	322.16	0.004
Average Sitewide Horizontal Gradient (vertical ft of Head/horizontal ft) =				0.003	

Well	Well	Measured Groundwater Elevation (in feet)	Calculated Vertical Gradient at Select Well Clusters (vertical ft of Head/vertical ft)	
MW-41S	MW-41D	322.16	324.04	-0.189
MW-41D	MW-41B	324.04	320.13	0.171
MW-43S	MW-43D	321.83	322.54	-0.020
MW-44D	MW-44B	323.54	321.18	0.142

**Notes:**

A negative vertical gradient indicates an inferred upward groundwater flow.



Wednesday, July 06, 2011

Attn: Mr Phil Rydel  
VHB, Inc.  
54 Tuttle Place  
Middletown CT 06457

Project ID: ENVIRITE LANDFILL THOMASTON CT

Sample ID#s: BA42419 - BA42427

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B  
NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

July 06, 2011

FOR: Attn: Mr Phil Rydel  
VHB, Inc.  
54 Tuttle Place  
Middletown CT 06457

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB-ENLF | MW 30  
Rush Request:  
P.O.#: 41426.02

### Custody Information

Collected by: PMR  
Received by: LDF  
Analyzed by: see "By" below

Date 06/16/11 Time 11:00

Date 06/17/11 Time 13:21

SDG ID: GBA42419

Phoenix ID: BA42419

### Laboratory Data

Project ID: ENVIRITE LANDFILL THOMASTON CT

Client ID: MW-30

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.039	0.002	mg/L	06/20/11		EK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	06/20/11		EK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	06/20/11		EK	6010/200.7
Copper (Dissolved)	0.002	0.001	mg/L	06/20/11		EK	6010/200.7
Iron (Dissolved)	0.024	0.002	mg/L	06/20/11		EK	6010/200.7
Manganese (Dissolved)	0.003	0.001	mg/L	06/20/11		EK	6010/200.7
Sodium (Dissolved)	16.3	0.11	mg/L	06/20/11		EK	6010/200.7
Nickel (Dissolved)	0.002	0.001	mg/L	06/20/11		EK	6010/200.7
Zinc (Dissolved)	0.009	0.002	mg/L	06/20/11		EK	6010/200.7
Chloride	18	3.0	mg/L	06/18/11		BS/EG	300.0
Conductivity	309	5	umhos/cm	06/18/11		BS/EG	SM2510B
Ammonia as Nitrogen	< 0.02	0.02	mg/L	06/21/11		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	06/18/11	1:44	BS/EG	300.0
Nitrate as Nitrogen	5.0	0.05	mg/L	06/18/11	1:44	BS/EG	300.0/9056
Phenolics	< 0.015	0.015	mg/L	06/20/11		MF/GD	E420.4
pH	6.89	0.10	pH	06/18/11	3:14	BS/EG	4500-H B/9040
Sulfate	26	3.0	mg/L	06/18/11		BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	06/18/11		O/GD	335.4/9010
Tot. Diss. Solids	200	10	mg/L	06/21/11		KDB	SM2540C
Total Organic Carbon	2.0	1.0	mg/L	06/21/11		JL	SM 5310B
Total Suspended Solids	< 5.0	5.0	mg/L	06/21/11		KDB	SM2540D
Filtration	Completed			06/17/11		ag	0.45um Filter
Dissolved Metals Preparation	Completed			06/17/11		AG	SW846-3005
Tot. Org. Halogens	0.029	0.010	mg/L	07/05/11		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL THOMASTON CT  
 Client ID: MW-30

Phoenix I.D.: BA42419

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/22/11		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/22/11		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	06/22/11		R/T	SW8260
Acetone	ND	25	ug/L	06/22/11		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/22/11		R/T	SW8260
Benzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/22/11		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/22/11		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
cis-1,2-Dichloroethene	31	1.0	ug/L	06/22/11		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/22/11		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/22/11		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/22/11		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/22/11		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/22/11		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/22/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL THOMASTON CT  
Client ID: MW-30

Phoenix I.D.: BA42419

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	06/22/11		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/22/11		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Styrene	ND	1.0	ug/L	06/22/11		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Tetrachloroethene	12	1.0	ug/L	06/22/11		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/22/11		R/T	SW8260
Toluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/22/11		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/22/11		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/22/11		R/T	SW8260
Trichloroethene	18	1.0	ug/L	06/22/11		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/22/11		R/T	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	100		%	06/22/11		R/T	70 - 130 %
% Bromofluorobenzene	93		%	06/22/11		R/T	70 - 130 %
% Dibromofluoromethane	100		%	06/22/11		R/T	70 - 130 %
% Toluene-d8	102		%	06/22/11		R/T	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director  
July 08, 2011



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

July 06, 2011

FOR: Attn: Mr Phil Rydel  
VHB, Inc.  
54 Tuttle Place  
Middletown CT 06457

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB-ENLF | MW 31  
Rush Request:  
P.O.#: 41426.02

### Custody Information

Collected by: PMR  
Received by: LDF  
Analyzed by: see "By" below

Date 06/16/11 Time 12:00

06/17/11 13:21

SDG ID: GBA42419

Phoenix ID: BA42420

## Laboratory Data

Project ID: ENVIRITE LANDFILL THOMASTON CT

Client ID: MW-31S

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.092	0.002	mg/L	06/20/11		EK	6010/200.7
Cadmium (Dissolved)	0.005	0.001	mg/L	06/20/11		EK	6010/200.7
Chromium (Dissolved)	0.055	0.001	mg/L	06/20/11		EK	6010/200.7
Copper (Dissolved)	0.004	0.001	mg/L	06/20/11		EK	6010/200.7
Iron (Dissolved)	95.2	0.002	mg/L	06/20/11		EK	6010/200.7
Manganese (Dissolved)	8.37	0.011	mg/L	06/22/11		LK	6010/200.7
Sodium (Dissolved)	53.8	1.1	mg/L	06/22/11		LK	6010/200.7
Nickel (Dissolved)	0.093	0.001	mg/L	06/20/11		EK	6010/200.7
Zinc (Dissolved)	2.38	0.021	mg/L	06/22/11		LK	6010/200.7
Chloride	210	15	mg/L	06/21/11		BS/EG	300.0
Conductivity	1860	5	umhos/cm	06/18/11		BS/EG	SM2510B
Ammonia as Nitrogen	36	0.2	mg/L	06/21/11		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	06/18/11	1:54	BS/EG	300.0
Nitrate as Nitrogen	0.07	0.05	mg/L	06/18/11	1:54	BS/EG	300.0/9056
Phenolics	1.93	0.150	mg/L	06/24/11		MF/GD	E420.4
pH	6.09	0.10	pH	06/18/11	3:17	BS/EG	4500-H B/9040
Sulfate	56	3.0	mg/L	06/18/11		BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	06/18/11		O/GD	335.4/9010
Tot. Diss. Solids	1600	33	mg/L	06/21/11		KDB	SM2540C
Total Organic Carbon	690	20	mg/L	06/23/11		JL	SM 5310B
Total Suspended Solids	130	11	mg/L	06/21/11		KDB	SM2540D
Filtration	Completed			06/17/11		AG	0.45um Filter
Dissolved Metals Preparation	Completed			06/17/11		AG	SW846-3005
Tot. Org. Halogens	1.17	0.010	mg/L	07/05/11		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	10	ug/L	06/18/11		R/T	SW8260
1,1,1-Trichloroethane	ND	10	ug/L	06/18/11		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	06/18/11		R/T	SW8260
1,1,2-Trichloroethane	ND	10	ug/L	06/18/11		R/T	SW8260
1,1-Dichloroethane	ND	10	ug/L	06/18/11		R/T	SW8260
1,1-Dichloroethene	ND	10	ug/L	06/18/11		R/T	SW8260
1,1-Dichloropropene	ND	10	ug/L	06/18/11		R/T	SW8260
1,2,3-Trichlorobenzene	ND	10	ug/L	06/18/11		R/T	SW8260
1,2,3-Trichloropropane	ND	10	ug/L	06/18/11		R/T	SW8260
1,2,4-Trichlorobenzene	ND	10	ug/L	06/18/11		R/T	SW8260
1,2,4-Trimethylbenzene	440	100	ug/L	06/18/11		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	10	ug/L	06/18/11		R/T	SW8260
1,2-Dichlorobenzene	ND	10	ug/L	06/18/11		R/T	SW8260
1,2-Dichloroethane	21	10	ug/L	06/18/11		R/T	SW8260
1,2-Dichloropropane	ND	10	ug/L	06/18/11		R/T	SW8260
1,3,5-Trimethylbenzene	120	10	ug/L	06/18/11		R/T	SW8260
1,3-Dichlorobenzene	ND	10	ug/L	06/18/11		R/T	SW8260
1,3-Dichloropropane	ND	10	ug/L	06/18/11		R/T	SW8260
1,4-Dichlorobenzene	ND	10	ug/L	06/18/11		R/T	SW8260
2,2-Dichloropropane	ND	10	ug/L	06/18/11		R/T	SW8260
2-Chlorotoluene	ND	10	ug/L	06/18/11		R/T	SW8260
2-Hexanone	ND	50	ug/L	06/18/11		R/T	SW8260
2-Isopropyltoluene	ND	10	ug/L	06/18/11		R/T	SW8260
4-Chlorotoluene	ND	10	ug/L	06/18/11		R/T	SW8260
4-Methyl-2-pentanone	35000	5000	ug/L	06/18/11		R/T	SW8260
Acetone	4000	2000	ug/L	06/18/11		R/T	SW8260
Acrylonitrile	ND	50	ug/L	06/18/11		R/T	SW8260
Benzene	190	10	ug/L	06/18/11		R/T	SW8260
Bromobenzene	ND	10	ug/L	06/18/11		R/T	SW8260
Bromochloromethane	ND	10	ug/L	06/18/11		R/T	SW8260
Bromodichloromethane	ND	5.0	ug/L	06/18/11		R/T	SW8260
Bromoform	ND	10	ug/L	06/18/11		R/T	SW8260
Bromomethane	ND	10	ug/L	06/18/11		R/T	SW8260
Carbon Disulfide	ND	50	ug/L	06/18/11		R/T	SW8260
Carbon tetrachloride	ND	10	ug/L	06/18/11		R/T	SW8260
Chlorobenzene	ND	10	ug/L	06/18/11		R/T	SW8260
Chloroethane	ND	10	ug/L	06/18/11		R/T	SW8260
Chloroform	ND	10	ug/L	06/18/11		R/T	SW8260
Chloromethane	ND	10	ug/L	06/18/11		R/T	SW8260
cis-1,2-Dichloroethene	2700	1000	ug/L	06/18/11		R/T	SW8260
cis-1,3-Dichloropropene	ND	5.0	ug/L	06/18/11		R/T	SW8260
Dibromochloromethane	ND	5.0	ug/L	06/18/11		R/T	SW8260
Dibromoethane	ND	10	ug/L	06/18/11		R/T	SW8260
Dibromomethane	ND	10	ug/L	06/18/11		R/T	SW8260
Dichlorodifluoromethane	ND	10	ug/L	06/18/11		R/T	SW8260
Ethylbenzene	3700	1000	ug/L	06/18/11		R/T	SW8260
Hexachlorobutadiene	ND	4.0	ug/L	06/18/11		R/T	SW8260
Isopropylbenzene	130	10	ug/L	06/18/11		R/T	SW8260
m&p-Xylene	7800	1000	ug/L	06/18/11		R/T	SW8260
Methyl ethyl ketone	15000	5000	ug/L	06/18/11		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/L	06/18/11		R/T	SW8260
Methylene chloride	ND	10	ug/L	06/18/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL THOMASTON CT  
Client ID: MW-31S

Phoenix I.D.: BA42420

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	150	10	ug/L	06/18/11		R/T	SW8260
n-Butylbenzene	ND	10	ug/L	06/18/11		R/T	SW8260
n-Propylbenzene	57	10	ug/L	06/18/11		R/T	SW8260
o-Xylene	3500	100	ug/L	06/18/11		R/T	SW8260
p-Isopropyltoluene	13	10	ug/L	06/18/11		R/T	SW8260
sec-Butylbenzene	ND	10	ug/L	06/18/11		R/T	SW8260
Styrene	69	10	ug/L	06/18/11		R/T	SW8260
tert-Butylbenzene	ND	10	ug/L	06/18/11		R/T	SW8260
Tetrachloroethene	ND	10	ug/L	06/18/11		R/T	SW8260
Tetrahydrofuran (THF)	490	500	ug/L	06/18/11		R/T	SW8260
Toluene	14000	1000	ug/L	06/18/11		R/T	SW8260
Total Xylenes	11300	10	ug/L	06/18/11		R/T	SW8260
trans-1,2-Dichloroethene	19	10	ug/L	06/18/11		R/T	SW8260
trans-1,3-Dichloropropene	ND	5.0	ug/L	06/18/11		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	50	ug/L	06/18/11		R/T	SW8260
Trichloroethene	ND	10	ug/L	06/18/11		R/T	SW8260
Trichlorofluoromethane	ND	10	ug/L	06/18/11		R/T	SW8260
Trichlorotrifluoroethane	ND	10	ug/L	06/18/11		R/T	SW8260
Vinyl chloride	660	100	ug/L	06/18/11		R/T	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	103		%	06/18/11		R/T	70 - 130 %
% Bromofluorobenzene	103		%	06/18/11		R/T	70 - 130 %
% Dibromofluoromethane	99		%	06/18/11		R/T	70 - 130 %
% Toluene-d8	111		%	06/18/11		R/T	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

#### Comments:

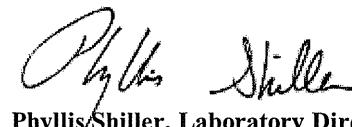
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

Elevated reporting limits for volatiles due to dilution for the presence target compounds.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
July 08, 2011



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

July 06, 2011

FOR: Attn: Mr Phil Rydel  
 VHB, Inc.  
 54 Tuttle Place  
 Middletown CT 06457

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB-ENLF | MW 33  
 Rush Request:  
 P.O.#: 41426.02

### Custody Information

Collected by: PMR  
 Received by: LDF  
 Analyzed by: see "By" below

Date 06/16/11 Time 10:00

06/17/11 13:21

SDG ID: GBA42419

Phoenix ID: BA42421

### Laboratory Data

Project ID: ENVIRITE LANDFILL THOMASTON CT

Client ID: MW-33

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.161	0.002	mg/L	06/20/11		EK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	06/20/11		EK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	06/20/11		EK	6010/200.7
Copper (Dissolved)	< 0.001	0.001	mg/L	06/20/11		EK	6010/200.7
Iron (Dissolved)	0.021	0.002	mg/L	06/20/11		EK	6010/200.7
Manganese (Dissolved)	0.004	0.001	mg/L	06/20/11		EK	6010/200.7
Sodium (Dissolved)	76.0	1.1	mg/L	06/22/11		LK	6010/200.7
Nickel (Dissolved)	0.006	0.001	mg/L	06/20/11		EK	6010/200.7
Zinc (Dissolved)	0.004	0.002	mg/L	06/20/11		EK	6010/200.7
Chloride	170	15	mg/L	06/21/11		BS/EG	300.0
Conductivity	1040	5	umhos/cm	06/18/11		BS/EG	SM2510B
Ammonia as Nitrogen	< 0.02	0.02	mg/L	06/21/11		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	06/18/11	2:05	BS/EG	300.0
Nitrate as Nitrogen	15	0.25	mg/L	06/21/11	3:11	BS/EG	300.0/9056
Phenolics	< 0.015	0.015	mg/L	06/24/11		MF/GD	E420.4
pH	6.59	0.10	pH	06/18/11	3:20	BS/EG	4500-H B/9040
Sulfate	120	15	mg/L	06/21/11		BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	06/18/11		O/GD	335.4/9010
Tot. Diss. Solids	690	10	mg/L	06/21/11		KDB	SM2540C
Total Organic Carbon	1.5	1.0	mg/L	06/21/11		JL	SM 5310B
Total Suspended Solids	19	5.0	mg/L	06/21/11		KDB	SM2540D
Filtration	Completed			06/17/11		AG	0.45um Filter
Dissolved Metals Preparation	Completed			06/17/11		AG	SW846-3005
Tot. Org. Halogens	0.017	0.010	ug/L	07/05/11		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL THOMASTON CT  
 Client ID: MW-33

Phoenix I.D.: BA42421

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/22/11		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/22/11		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	06/22/11		R/T	SW8260
Acetone	ND	25	ug/L	06/22/11		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/22/11		R/T	SW8260
Benzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/22/11		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/22/11		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
cis-1,2-Dichloroethene	1.7	1.0	ug/L	06/22/11		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/22/11		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/22/11		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/22/11		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/22/11		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/22/11		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/22/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL THOMASTON CT  
Client ID: MW-33

Phoenix I.D.: BA42421

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	06/22/11		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/22/11		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Styrene	ND	1.0	ug/L	06/22/11		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Tetrachloroethene	1.8	1.0	ug/L	06/22/11		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/22/11		R/T	SW8260
Toluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/22/11		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/22/11		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/22/11		R/T	SW8260
Trichloroethene	1.3	1.0	ug/L	06/22/11		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/22/11		R/T	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	102		%	06/22/11		R/T	70 - 130 %
% Bromofluorobenzene	93		%	06/22/11		R/T	70 - 130 %
% Dibromofluoromethane	99		%	06/22/11		R/T	70 - 130 %
% Toluene-d8	127		%	06/22/11		R/T	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

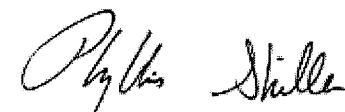
**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
July 08, 2011



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

July 06, 2011

FOR: Attn: Mr Phil Rydel  
 VHB, Inc.  
 54 Tuttle Place  
 Middletown CT 06457

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB-ENLF | MW 36  
 Rush Request:  
 P.O.#: 41426.02

### Custody Information

Collected by: PMR  
 Received by: LDF  
 Analyzed by: see "By" below

Date 06/16/11 Time 13:00

Date 06/17/11 Time 13:21

SDG ID: GBA42419

Phoenix ID: BA42422

### Laboratory Data

Project ID: ENVIRITE LANDFILL THOMASTON CT

Client ID: MW-36

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.047	0.002	mg/L	06/20/11		EK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	06/20/11		EK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	06/20/11		EK	6010/200.7
Copper (Dissolved)	< 0.001	0.001	mg/L	06/20/11		EK	6010/200.7
Iron (Dissolved)	0.005	0.002	mg/L	06/20/11		EK	6010/200.7
Manganese (Dissolved)	< 0.001	0.001	mg/L	06/20/11		EK	6010/200.7
Sodium (Dissolved)	48.6	0.11	mg/L	06/20/11		EK	6010/200.7
Nickel (Dissolved)	0.003	0.001	mg/L	06/20/11		EK	6010/200.7
Zinc (Dissolved)	0.010	0.002	mg/L	06/20/11		EK	6010/200.7
Chloride	82	3.0	mg/L	06/18/11		BS/EG	300.0
Conductivity	389	5	umhos/cm	06/18/11		BS/EG	SM2510B
Ammonia as Nitrogen	0.16	0.02	mg/L	06/21/11		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	06/18/11	2:15	BS/EG	300.0
Nitrate as Nitrogen	0.59	0.05	mg/L	06/18/11	2:15	BS/EG	300.0/9056
Phenolics	< 0.015	0.015	mg/L	06/20/11		MF/GD	E420.4
pH	6.43	0.10	pH	06/18/11	3:23	BS/EG	4500-H B/9040
Sulfate	37	3.0	mg/L	06/18/11		BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	06/18/11		O/GD	335.4/9010
Tot. Diss. Solids	230	10	mg/L	06/21/11		KDB	SM2540C
Total Organic Carbon	2.6	1.0	mg/L	06/21/11		JL	SM 5310B
Total Suspended Solids	< 5.0	5.0	mg/L	06/21/11		KDB	SM2540D
Filtration	Completed			06/17/11		AG	0.45um Filter
Dissolved Metals Preparation	Completed			06/17/11		AG	SW846-3005
Tot. Org. Halogens	<0.010	0.010	mg/L	07/05/11		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/23/11		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/23/11		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/23/11		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/23/11		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/23/11		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/23/11		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/23/11		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/23/11		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/23/11		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/23/11		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/23/11		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/23/11		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/23/11		R/T	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	06/23/11		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/23/11		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/23/11		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/23/11		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/23/11		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/23/11		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/23/11		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/23/11		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/23/11		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/23/11		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/23/11		R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	06/23/11		R/T	SW8260
Acetone	ND	25	ug/L	06/23/11		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/23/11		R/T	SW8260
Benzene	ND	1.0	ug/L	06/23/11		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/23/11		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/23/11		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/23/11		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/23/11		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/23/11		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/23/11		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/23/11		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/23/11		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/23/11		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/23/11		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/23/11		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/23/11		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/23/11		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/23/11		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	06/23/11		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/23/11		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/23/11		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/23/11		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/23/11		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/23/11		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/23/11		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/23/11		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/23/11		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/23/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL THOMASTON CT  
Client ID: MW-36

Phoenix I.D.: BA42422

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	06/23/11		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/23/11		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/23/11		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/23/11		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/23/11		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/23/11		R/T	SW8260
Styrene	ND	1.0	ug/L	06/23/11		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/23/11		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/23/11		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/23/11		R/T	SW8260
Toluene	ND	1.0	ug/L	06/23/11		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/23/11		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/23/11		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/23/11		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/23/11		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/23/11		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/23/11		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/23/11		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/23/11		R/T	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	104		%	06/23/11		R/T	70 - 130 %
% Bromofluorobenzene	93		%	06/23/11		R/T	70 - 130 %
% Dibromofluoromethane	94		%	06/23/11		R/T	70 - 130 %
% Toluene-d8	100		%	06/23/11		R/T	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

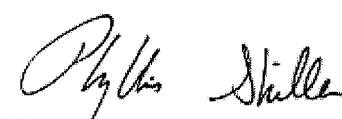
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
July 08, 2011



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 06, 2011

FOR: Attn: Mr Phil Rydel  
 VHB, Inc.  
 54 Tuttle Place  
 Middletown CT 06457

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB-ENLF | FIELD B  
 Rush Request:  
 P.O.#: 41426.02

### Custody Information

Collected by: PMR  
 Received by: LDF  
 Analyzed by: see "By" below

Date 06/16/11 Time 10:30

Date 06/17/11 Time 13:21

### Laboratory Data

SDG ID: GBA42419

Phoenix ID: BA42423

Project ID: ENVIRITE LANDFILL THOMASTON CT

Client ID: FIELD BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	< 0.002	0.002	mg/L	06/20/11		EK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	06/22/11		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	06/22/11		LK	6010/200.7
Copper (Dissolved)	< 0.001	0.001	mg/L	06/22/11		LK	6010/200.7
Iron (Dissolved)	0.005	0.002	mg/L	06/22/11		LK	6010/200.7
Manganese (Dissolved)	< 0.001	0.001	mg/L	06/22/11		LK	6010/200.7
Sodium (Dissolved)	< 0.11	0.11	mg/L	06/22/11		LK	6010/200.7
Nickel (Dissolved)	< 0.001	0.001	mg/L	06/22/11		LK	6010/200.7
Zinc (Dissolved)	< 0.002	0.002	mg/L	06/22/11		LK	6010/200.7
Chloride	< 3.0	3.0	mg/L	06/18/11		BS/EG	300.0
Conductivity	< 5	5	umhos/cm	06/18/11		BS/EG	SM2510B
Ammonia as Nitrogen	< 0.02	0.02	mg/L	06/21/11		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	06/18/11	2:35	BS/EG	300.0
Nitrate as Nitrogen	< 0.05	0.05	mg/L	06/18/11	2:35	BS/EG	300.0/9056
Phenolics	< 0.015	0.015	mg/L	06/20/11		MF/GD	E420.4
pH	5.11	0.10	pH	06/18/11	3:31	BS/EG	4500-H B/9040
Sulfate	< 3.0	3.0	mg/L	06/18/11		BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	06/18/11		O/GD	335.4/9010
Tot. Diss. Solids	< 10	10	mg/L	06/21/11		KDB	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	06/21/11		JL	SM 5310B
Total Suspended Solids	< 5.0	5.0	mg/L	06/21/11		KDB	SM2540D
Filtration	Completed			06/17/11		AG	0.45um Filter
Dissolved Metals Preparation	Completed			06/17/11		AG	SW846-3005
Tot. Org. Halogens	<0.010	0.010	ug/L	07/05/11		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL THOMASTON CT  
 Client ID: FIELD BLANK

Phoenix I.D.: BA42423

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	06/22/11		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
2-Hexanone	ND	5	ug/L	06/22/11		R/T	SW8260
2-Isopropyltoluene	ND	1	ug/L	06/22/11		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
4-Methyl-2-pentanone	ND	5	ug/L	06/22/11		R/T	SW8260
Acetone	ND	25	ug/L	06/22/11		R/T	SW8260
Acrylonitrile	ND	5	ug/L	06/22/11		R/T	SW8260
Benzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromodichloromethane	ND	0.5	ug/L	06/22/11		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Carbon Disulfide	ND	5	ug/L	06/22/11		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.5	ug/L	06/22/11		R/T	SW8260
Dibromochloromethane	ND	0.5	ug/L	06/22/11		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Hexachlorobutadiene	ND	0.4	ug/L	06/22/11		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Methyl ethyl ketone	ND	5	ug/L	06/22/11		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/22/11		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/22/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL THOMASTON CT  
Client ID: FIELD BLANK

Phoenix I.D.: BA42423

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	06/22/11		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/22/11		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Styrene	ND	1.0	ug/L	06/22/11		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Tetrahydrofuran (THF)	ND	5	ug/L	06/22/11		R/T	SW8260
Toluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Total Xylenes	ND	2.0	ug/L	06/22/11		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.5	ug/L	06/22/11		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5	ug/L	06/22/11		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Trichlorotrifluoroethane	ND	1	ug/L	06/22/11		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/22/11		R/T	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	101		%	06/22/11		R/T	70 - 130 %
% Bromofluorobenzene	93		%	06/22/11		R/T	70 - 130 %
% Dibromofluoromethane	97		%	06/22/11		R/T	70 - 130 %
% Toluene-d8	128		%	06/22/11		R/T	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

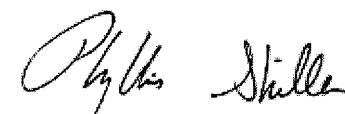
**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller  
Phyllis Shiller, Laboratory Director  
July 08, 2011



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

July 06, 2011

FOR: Attn: Mr Phil Rydel  
VHB, Inc.  
54 Tuttle Place  
Middletown CT 06457

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB-ENLF | EQUIP  
Rush Request:  
P.O.#: 41426.02

### Custody Information

Collected by: PMR  
Received by: LDF  
Analyzed by: see "By" below

Date 06/16/11 Time 10:45

Date 06/17/11 Time 13:21

SDG ID: GBA42419

Phoenix ID: BA42424

### Laboratory Data

Project ID: ENVIRITE LANDFILL THOMASTON CT

Client ID: EQUIPMENT BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	< 0.002	0.002	mg/L	06/20/11		EK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	06/20/11		EK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	06/20/11		EK	6010/200.7
Copper (Dissolved)	< 0.001	0.001	mg/L	06/20/11		EK	6010/200.7
Iron (Dissolved)	0.005	0.002	mg/L	06/20/11		EK	6010/200.7
Manganese (Dissolved)	< 0.001	0.001	mg/L	06/20/11		EK	6010/200.7
Sodium (Dissolved)	< 0.11	0.11	mg/L	06/20/11		EK	6010/200.7
Nickel (Dissolved)	< 0.001	0.001	mg/L	06/20/11		EK	6010/200.7
Zinc (Dissolved)	< 0.002	0.002	mg/L	06/20/11		EK	6010/200.7
Chloride	< 3.0	3.0	mg/L	06/18/11		BS/EG	300.0
Conductivity	< 5	5	umhos/cm	06/18/11		BS/EG	SM2510B
Ammonia as Nitrogen	< 0.02	0.02	mg/L	06/21/11		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	06/18/11	2:45	BS/EG	300.0
Nitrate as Nitrogen	< 0.05	0.05	mg/L	06/18/11	2:45	BS/EG	300.0/9056
Phenolics	< 0.015	0.015	mg/L	06/20/11		MF/GD	E420.4
pH	4.99	0.10	pH	06/18/11	3:34	BS/EG	4500-H B/9040
Sulfate	< 3.0	3.0	mg/L	06/18/11		BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	06/18/11		O/GD	335.4/9010
Tot. Diss. Solids	< 10	10	mg/L	06/21/11		KDB	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	06/21/11		JL	SM 5310B
Total Suspended Solids	< 5.0	5.0	mg/L	06/21/11		KDB	SM2540D
Filtration	Completed			06/17/11		AG	0.45um Filter
Dissolved Metals Preparation	Completed			06/17/11		AG	SW846-3005
Tot. Org. Halogens	0.039	0.010	mg/L	07/05/11		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL THOMASTON CT  
 Client ID: EQUIPMENT BLANK

Phoenix I.D.: BA42424

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/22/11		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/22/11		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	06/22/11		R/T	SW8260
Acetone	ND	25	ug/L	06/22/11		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/22/11		R/T	SW8260
Benzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/22/11		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/22/11		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/22/11		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/22/11		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/22/11		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/22/11		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/22/11		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/22/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL THOMASTON CT  
Client ID: EQUIPMENT BLANK

Phoenix I.D.: BA42424

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	06/22/11		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/22/11		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Styrene	ND	1.0	ug/L	06/22/11		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/22/11		R/T	SW8260
Toluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/22/11		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/22/11		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/22/11		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/22/11		R/T	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	103		%	06/22/11		R/T	70 - 130 %
% Bromofluorobenzene	93		%	06/22/11		R/T	70 - 130 %
% Dibromofluoromethane	101		%	06/22/11		R/T	70 - 130 %
% Toluene-d8	100		%	06/22/11		R/T	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

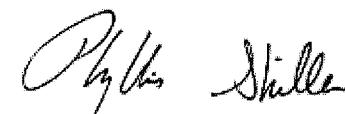
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
July 08, 2011



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

July 06, 2011

FOR: Attn: Mr Phil Rydel  
VHB, Inc.  
54 Tuttle Place  
Middletown CT 06457

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB-ENLF | TRIP BL  
Rush Request:  
P.O.#: 41426.02

### Custody Information

Collected by: PMR  
Received by: LDF  
Analyzed by: see "By" below

Date 06/16/11 Time 0:00

Date 06/17/11 Time 13:21

SDG ID: GBA42419

Phoenix ID: BA42425

## Laboratory Data

Project ID: ENVIRITE LANDFILL THOMASTON CT

Client ID: TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Acetone	ND	25	ug/L	06/17/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL THOMASTON CT  
 Client ID: TRIP BLANK

Phoenix I.D.: BA42425

Parameter	Result	RL	Units	Date	Time	By	Reference
Acrylonitrile	ND	5.0	ug/L	06/17/11		R/T	SW8260
Benzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/17/11		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/17/11		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
Naphthalene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Styrene	ND	1.0	ug/L	06/17/11		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/17/11		R/T	SW8260
Toluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/17/11		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	104		%	06/17/11		R/T	70 - 130 %
% Bromofluorobenzene	99		%	06/17/11		R/T	70 - 130 %
% Dibromofluoromethane	101		%	06/17/11		R/T	70 - 130 %
% Toluene-d8	96		%	06/17/11		R/T	70 - 130 %

Project ID: ENVIRITE LANDFILL THOMASTON CT  
Client ID: TRIP BLANK

Phoenix I.D.: BA42425

Parameter	Result	RL	Units	Date	Time	By	Reference
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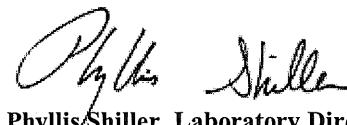
**Comments:**

TRIP BLANK INCLUDED

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
July 08, 2011



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

July 06, 2011

FOR: Attn: Mr Phil Rydel  
VHB, Inc.  
54 Tuttle Place  
Middletown CT 06457

### Sample Information

Matrix: SURFACE WATER  
Location Code: VHB-ENLF | SW UP  
Rush Request:  
P.O.#: 41426.02

### Custody Information

Collected by: PMR  
Received by: LDF  
Analyzed by: see "By" below

Date 06/16/11 Time 13:30

Date 06/17/11 Time 13:21

SDG ID: GBA42419

Phoenix ID: BA42426

## Laboratory Data

Project ID: ENVIRITE LANDFILL THOMASTON CT

Client ID: SW UP STREAM

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.012	0.002	mg/L	06/20/11		EK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	06/20/11		EK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	06/20/11		EK	6010/200.7
Copper (Dissolved)	0.002	0.001	mg/L	06/20/11		EK	6010/200.7
Iron (Dissolved)	0.229	0.002	mg/L	06/20/11		EK	6010/200.7
Manganese (Dissolved)	0.024	0.001	mg/L	06/20/11		EK	6010/200.7
Sodium (Dissolved)	13.3	0.11	mg/L	06/20/11		EK	6010/200.7
Nickel (Dissolved)	0.003	0.001	mg/L	06/20/11		EK	6010/200.7
Zinc (Dissolved)	0.004	0.002	mg/L	06/20/11		EK	6010/200.7
Chloride	18	3.0	mg/L	06/18/11		BS/EG	300.0
Conductivity	119	5	umhos/cm	06/18/11		BS/EG	SM2510B
Ammonia as Nitrogen	0.04	0.02	mg/L	06/21/11		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	06/18/11	2:55	BS/EG	300.0
Nitrate as Nitrogen	0.14	0.05	mg/L	06/18/11	2:55	BS/EG	300.0/9056
Phenolics	< 0.015	0.015	mg/L	06/24/11		MF/GD	E420.4
pH	6.93	0.10	pH	06/18/11	3:37	BS/EG	4500-H B/9040
Sulfate	6.8	3.0	mg/L	06/18/11		BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	06/18/11		O/GD	335.4/9010
Tot. Diss. Solids	78	10	mg/L	06/21/11		KDB	SM2540C
Total Organic Carbon	2.9	1.0	mg/L	06/21/11		JL	SM 5310B
Total Suspended Solids	< 5.0	5.0	mg/L	06/21/11		KDB	SM2540D
Filtration	Completed			06/17/11		AG	0.45um Filter
Dissolved Metals Preparation	Completed			06/17/11		AG	SW846-3005
Tot. Org. Halogens	<0.010	0.010	ug/L	07/05/11		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL THOMASTON CT  
 Client ID: SW UP STREAM

Phoenix I.D.: BA42426

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/22/11		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/22/11		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	06/22/11		R/T	SW8260
Acetone	ND	25	ug/L	06/22/11		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/22/11		R/T	SW8260
Benzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/22/11		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/22/11		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/22/11		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/22/11		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/22/11		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/22/11		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/22/11		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/22/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL THOMASTON CT  
Client ID: SW UP STREAM

Phoenix I.D.: BA42426

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	06/22/11		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/22/11		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Styrene	ND	1.0	ug/L	06/22/11		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/22/11		R/T	SW8260
Toluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/22/11		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/22/11		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/22/11		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/22/11		R/T	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	102		%	06/22/11		R/T	70 - 130 %
% Bromofluorobenzene	92		%	06/22/11		R/T	70 - 130 %
% Dibromofluoromethane	99		%	06/22/11		R/T	70 - 130 %
% Toluene-d8	99		%	06/22/11		R/T	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

This report must not be reproduced except in full as defined by the attached chain of custody.

  
Phyllis Shiller, Laboratory Director  
July 08, 2011



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

July 06, 2011

FOR: Attn: Mr Phil Rydel  
VHB, Inc.  
54 Tuttle Place  
Middletown CT 06457

### Sample Information

Matrix: SURFACE WATER  
Location Code: VHB-ENLF | SW DO  
Rush Request:  
P.O.#: 41426.02

### Custody Information

Collected by: PMR  
Received by: LDF  
Analyzed by: see "By" below

Date 06/16/11 Time 14:00

Date 06/17/11 Time 13:21

SDG ID: GBA42419

Phoenix ID: BA42427

### Laboratory Data

Project ID: ENVIRITE LANDFILL THOMASTON CT

Client ID: SW DOWN STREAM

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.014	0.002	mg/L	06/20/11		EK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	06/20/11		EK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	06/20/11		EK	6010/200.7
Copper (Dissolved)	0.002	0.001	mg/L	06/20/11		EK	6010/200.7
Iron (Dissolved)	0.291	0.002	mg/L	06/20/11		EK	6010/200.7
Manganese (Dissolved)	0.080	0.001	mg/L	06/20/11		EK	6010/200.7
Sodium (Dissolved)	13.7	0.11	mg/L	06/20/11		EK	6010/200.7
Nickel (Dissolved)	0.002	0.001	mg/L	06/20/11		EK	6010/200.7
Zinc (Dissolved)	0.003	0.002	mg/L	06/20/11		EK	6010/200.7
Chloride	20	3.0	mg/L	06/18/11		BS/EG	300.0
Conductivity	127	5	umhos/cm	06/18/11		BS/EG	SM2510B
Ammonia as Nitrogen	0.02	0.02	mg/L	06/21/11		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	06/18/11	3:05	BS/EG	300.0
Nitrate as Nitrogen	0.15	0.05	mg/L	06/18/11	3:05	BS/EG	300.0/9056
Phenolics	< 0.015	0.015	mg/L	06/24/11		MF/GD	E420.4
pH	6.98	0.10	pH	06/18/11	3:41	BS/EG	4500-H B/9040
Sulfate	7.2	3.0	mg/L	06/18/11		BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	06/18/11		O/GD	335.4/9010
Tot. Diss. Solids	78	10	mg/L	06/21/11		KDB	SM2540C
Total Organic Carbon	2.9	1.0	mg/L	06/21/11		JL	SM 5310B
Total Suspended Solids	< 5.0	5.0	mg/L	06/21/11		KDB	SM2540D
Filtration	Completed			06/17/11		AG	0.45um Filter
Dissolved Metals Preparation	Completed			06/17/11		AG	SW846-3005
Tot. Org. Halogens	<0.010	0.010	mg/L	07/05/11		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL THOMASTON CT  
 Client ID: SW DOWN STREAM

Phoenix I.D.: BA42427

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/22/11		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,2-Dichloropropene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/22/11		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
2,2-Dichloropropene	ND	1.0	ug/L	06/22/11		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/22/11		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	06/22/11		R/T	SW8260
Acetone	ND	25	ug/L	06/22/11		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/22/11		R/T	SW8260
Benzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/22/11		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/22/11		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/22/11		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/22/11		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/22/11		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/22/11		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/22/11		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/22/11		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/22/11		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/22/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL THOMASTON CT  
Client ID: SW DOWN STREAM

Phoenix I.D.: BA42427

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	06/22/11		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/22/11		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Styrene	ND	1.0	ug/L	06/22/11		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/22/11		R/T	SW8260
Toluene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/22/11		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/22/11		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/22/11		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/22/11		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/22/11		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/22/11		R/T	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	101		%	06/22/11		R/T	70 - 130 %
% Bromofluorobenzene	94		%	06/22/11		R/T	70 - 130 %
% Dibromofluoromethane	100		%	06/22/11		R/T	70 - 130 %
% Toluene-d8	102		%	06/22/11		R/T	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

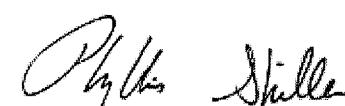
**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

This report must not be reproduced except in full as defined by the attached chain of custody.

  
Phyllis Shiller, Laboratory Director  
July 08, 2011



Friday, June 24, 2011

Attn: Mr Phil Rydel  
VHB, Inc.  
54 Tuttle Place  
Middletown CT 06457

Project ID: ENVIRITE LANDFILL-THOMASTON CT  
Sample ID#s: BA42267 - BA42275

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is fluid and cursive, with "Phyllis" on top and "Shiller" below it.

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B  
NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

June 24, 2011

FOR: Attn: Mr Phil Rydel  
 VHB, Inc.  
 54 Tuttle Place  
 Middletown CT 06457

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB-ENLF | MW 41  
 Rush Request:  
 P.O.#: 41426.02

### Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date 06/15/11 14:00

Time 06/16/11 17:17

### Laboratory Data

SDG ID: GBA42267

Phoenix ID: BA42267

Project ID: ENVIRITE LANDFILL-THOMASTON CT

Client ID: MW-41S

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.116	0.002	mg/L	06/17/11		LK	6010/200.7
Cadmium (Dissolved)	0.001	0.001	mg/L	06/17/11		LK	6010/200.7
Chromium (Dissolved)	0.002	0.001	mg/L	06/17/11		LK	6010/200.7
Copper (Dissolved)	0.019	0.001	mg/L	06/17/11		LK	6010/200.7
Iron (Dissolved)	0.136	0.002	mg/L	06/17/11		LK	6010/200.7
Manganese (Dissolved)	0.019	0.001	mg/L	06/17/11		LK	6010/200.7
Sodium (Dissolved)	54.3	1.1	mg/L	06/21/11		LK	6010/200.7
Nickel (Dissolved)	0.005	0.001	mg/L	06/17/11		LK	6010/200.7
Zinc (Dissolved)	0.072	0.002	mg/L	06/17/11		LK	6010/200.7
Chloride	96	3.0	mg/L	06/17/11		BS/EG	300.0
Conductivity	547	5	umhos/cm	06/17/11		BS/EG	SM2510B
Ammonia as Nitrogen	0.14	0.02	mg/L	06/21/11		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	06/17/11	3:14	BS/EG	300.0
Nitrate as Nitrogen	5.9	0.05	mg/L	06/17/11	3:14	BS/EG	300.0/9056
Phenolics	< 0.015	0.015	mg/L	06/20/11		MF/GD	E420.4
pH	6.32	0.10	pH	06/17/11	6:37	BS/EG	4500-H B/9040
Sulfate	60	3.0	mg/L	06/17/11		BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	06/16/11		O/GD	335.4/9010
Tot. Diss. Solids	340	10	mg/L	06/17/11		KDB/CL	SM2540C
Total Organic Carbon	2.2	1.0	mg/L	06/17/11		JL	SM 5310B
Total Suspended Solids	150	5.0	mg/L	06/17/11		KDB/CL	SM2540D
Filtration	Completed			06/16/11		ag	0.45um Filter
Dissolved Metals Preparation	Completed			06/16/11		AG	SW846-3005
Tot. Org. Halogens	0.024	0.010	mg/L	06/20/11		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL-THOMASTON CT  
 Client ID: MW-41S

Phoenix I.D.: BA42267

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Acetone	ND	25	ug/L	06/17/11		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/17/11		R/T	SW8260
Benzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/17/11		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
cis-1,2-Dichloroethene	21	1.0	ug/L	06/17/11		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/17/11		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL-THOMASTON CT  
Client ID: MW-41S

Phoenix I.D.: BA42267

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Styrene	ND	1.0	ug/L	06/17/11		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Tetrachloroethene	4.2	1.0	ug/L	06/17/11		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/17/11		R/T	SW8260
Toluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/17/11		R/T	SW8260
Trichloroethene	7.5	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	101		%	06/17/11		R/T	SW8260
% Bromofluorobenzene	88		%	06/17/11		R/T	SW8260
% Dibromofluoromethane	105		%	06/17/11		R/T	SW8260
% Toluene-d8	96		%	06/17/11		R/T	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

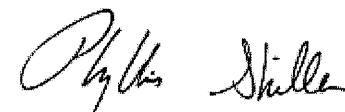
**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
June 24, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

June 24, 2011

FOR: Attn: Mr Phil Rydel  
VHB, Inc.  
54 Tuttle Place  
Middletown CT 06457

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB-ENLF | MW 41  
Rush Request:  
P.O.#: 41426.02

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date 06/15/11 Time 15:00

Date 06/16/11 Time 17:17

SDG ID: GBA42267

Phoenix ID: BA42268

### Laboratory Data

Project ID: ENVIRITE LANDFILL-THOMASTON CT

Client ID: MW-41D

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.094	0.002	mg/L	06/17/11		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	06/17/11		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	06/17/11		LK	6010/200.7
Copper (Dissolved)	0.001	0.001	mg/L	06/17/11		LK	6010/200.7
Iron (Dissolved)	0.272	0.002	mg/L	06/17/11		LK	6010/200.7
Manganese (Dissolved)	1.62	0.001	mg/L	06/17/11		LK	6010/200.7
Sodium (Dissolved)	61.7	1.1	mg/L	06/21/11		LK	6010/200.7
Nickel (Dissolved)	0.004	0.001	mg/L	06/17/11		LK	6010/200.7
Zinc (Dissolved)	< 0.002	0.002	mg/L	06/17/11		LK	6010/200.7
Chloride	94	15	mg/L	06/21/11		BS/EG	300.0
Conductivity	727	5	umhos/cm	06/17/11		BS/EG	SM2510B
Ammonia as Nitrogen	0.03	0.02	mg/L	06/21/11		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	06/17/11	3:24	BS/EG	300.0
Nitrate as Nitrogen	6.8	0.05	mg/L	06/17/11	3:24	BS/EG	300.0/9056
Phenolics	< 0.015	0.015	mg/L	06/20/11		MF/GD	E420.4
pH	6.66	0.10	pH	06/17/11	6:40	BS/EG	4500-H B/9040
Sulfate	100	15	mg/L	06/21/11		BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	06/16/11		O/GD	335.4/9010
Tot. Diss. Solids	420	10	mg/L	06/17/11		KDB/CL	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	06/17/11		JL	SM 5310B
Total Suspended Solids	130	5.0	mg/L	06/17/11		KDB/CL	SM2540D
Filtration	Completed			06/16/11		AG	0.45um Filter
Dissolved Metals Preparation	Completed			06/16/11		AG	SW846-3005
Tot. Org. Halogens	0.052	0.010	ug/L	06/20/11		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL-THOMASTON CT  
 Client ID: MW-41D

Phoenix I.D.: BA42268

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Acetone	ND	25	ug/L	06/17/11		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/17/11		R/T	SW8260
Benzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/17/11		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
cis-1,2-Dichloroethene	53	5.0	ug/L	06/17/11		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/17/11		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL-THOMASTON CT  
Client ID: MW-41D

Phoenix I.D.: BA42268

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Styrene	ND	1.0	ug/L	06/17/11		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Tetrachloroethene	13	1.0	ug/L	06/17/11		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/17/11		R/T	SW8260
Toluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/17/11		R/T	SW8260
Trichloroethene	22	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	104		%	06/17/11		R/T	SW8260
% Bromofluorobenzene	85		%	06/17/11		R/T	SW8260
% Dibromofluoromethane	110		%	06/17/11		R/T	SW8260
% Toluene-d8	95		%	06/17/11		R/T	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

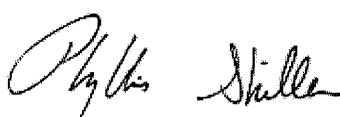
**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
June 24, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 24, 2011

FOR: Attn: Mr Phil Rydel  
VHB, Inc.  
54 Tuttle Place  
Middletown CT 06457

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB-ENLF | MW 41  
Rush Request:  
P.O.#: 41426.02

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date 06/15/11 Time 16:00

Date 06/16/11 Time 17:17

SDG ID: GBA42267

Phoenix ID: BA42269

### Laboratory Data

Project ID: ENVIRITE LANDFILL-THOMASTON CT

Client ID: MW-41B

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.046	0.002	mg/L	06/17/11		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	06/17/11		LK	6010/200.7
Chromium (Dissolved)	0.008	0.001	mg/L	06/17/11		LK	6010/200.7
Copper (Dissolved)	0.002	0.001	mg/L	06/17/11		LK	6010/200.7
Iron (Dissolved)	0.040	0.002	mg/L	06/17/11		LK	6010/200.7
Manganese (Dissolved)	0.018	0.001	mg/L	06/17/11		LK	6010/200.7
Sodium (Dissolved)	42.7	0.11	mg/L	06/21/11		LK	6010/200.7
Nickel (Dissolved)	0.010	0.001	mg/L	06/17/11		LK	6010/200.7
Zinc (Dissolved)	0.015	0.002	mg/L	06/17/11		LK	6010/200.7
Chloride	110	15	mg/L	06/21/11		BS/EG	300.0
Conductivity	1080	5	umhos/cm	06/17/11		BS/EG	SM2510B
Ammonia as Nitrogen	0.03	0.02	mg/L	06/21/11		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	06/17/11	3:34	BS/EG	300.0
Nitrate as Nitrogen	13	0.25	mg/L	06/21/11	1:40	BS/EG	300.0/9056
Phenolics	< 0.015	0.015	mg/L	06/20/11		MF/GD	E420.4
pH	7.43	0.10	pH	06/17/11	6:43	BS/EG	4500-H B/9040
Sulfate	250	15	mg/L	06/21/11		BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	06/16/11		O/GD	335.4/9010
Tot. Diss. Solids	890	10	mg/L	06/17/11		KDB/CL	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	06/17/11		JL	SM 5310B
Total Suspended Solids	14	5.0	mg/L	06/17/11		KDB/CL	SM2540D
Filtration	Completed			06/16/11		AG	0.45um Filter
Dissolved Metals Preparation	Completed			06/16/11		AG	SW846-3005
Tot. Org. Halogens	0.049	0.010	mg/L	06/20/11		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Acetone	ND	25	ug/L	06/17/11		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/17/11		R/T	SW8260
Benzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/17/11		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
cis-1,2-Dichloroethene	58	5.0	ug/L	06/17/11		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/17/11		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL-THOMASTON CT  
Client ID: MW-41B

Phoenix I.D.: BA42269

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Styrene	ND	1.0	ug/L	06/17/11		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Tetrachloroethene	4.6	1.0	ug/L	06/17/11		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/17/11		R/T	SW8260
Toluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/17/11		R/T	SW8260
Trichloroethene	19	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	104		%	06/17/11		R/T	SW8260
% Bromofluorobenzene	90		%	06/17/11		R/T	SW8260
% Dibromofluoromethane	110		%	06/17/11		R/T	SW8260
% Toluene-d8	95		%	06/17/11		R/T	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

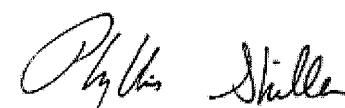
**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
June 24, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 24, 2011

FOR: Attn: Mr Phil Rydel  
VHB, Inc.  
54 Tuttle Place  
Middletown CT 06457

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB-ENLF | MW 42  
Rush Request:  
P.O.#: 41426.02

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date 06/15/11 Time 10:00

06/16/11 17:17

SDG ID: GBA42267

Phoenix ID: BA42270

### Laboratory Data

Project ID: ENVIRITE LANDFILL-THOMASTON CT

Client ID: MW-42S

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.047	0.002	mg/L	06/17/11		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	06/17/11		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	06/17/11		LK	6010/200.7
Copper (Dissolved)	0.023	0.001	mg/L	06/17/11		LK	6010/200.7
Iron (Dissolved)	0.041	0.002	mg/L	06/17/11		LK	6010/200.7
Manganese (Dissolved)	0.004	0.001	mg/L	06/17/11		LK	6010/200.7
Sodium (Dissolved)	54.9	1.1	mg/L	06/22/11		EK	6010/200.7
Nickel (Dissolved)	0.028	0.001	mg/L	06/17/11		LK	6010/200.7
Zinc (Dissolved)	0.068	0.002	mg/L	06/17/11		LK	6010/200.7
Chloride	67	3.0	mg/L	06/17/11		BS/EG	300.0
Conductivity	596	5	umhos/cm	06/17/11		BS/EG	SM2510B
Ammonia as Nitrogen	0.06	0.02	mg/L	06/21/11		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	06/17/11	3:44	BS/EG	300.0
Nitrate as Nitrogen	8.6	0.25	mg/L	06/21/11	1:50	BS/EG	300.0/9056
Phenolics	< 0.015	0.015	mg/L	06/20/11		MF/GD	E420.4
pH	6.99	0.10	pH	06/17/11	6:46	BS/EG	4500-H B/9040
Sulfate	89	3.0	mg/L	06/17/11		BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	06/16/11		O/GD	335.4/9010
Tot. Diss. Solids	340	10	mg/L	06/17/11		KDB/CL	SM2540C
Total Organic Carbon	1.7	1.0	mg/L	06/17/11		JL	SM 5310B
Total Suspended Solids	55	5.0	mg/L	06/17/11		KDB/CL	SM2540D
Filtration	Completed			06/16/11		AG	0.45um Filter
Dissolved Metals Preparation	Completed			06/16/11		AG	SW846-3005
Tot. Org. Halogens	0.018	0.010	mg/L	06/20/11		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL-THOMASTON CT  
 Client ID: MW-42S

Phoenix I.D.: BA42270

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Acetone	ND	25	ug/L	06/17/11		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/17/11		R/T	SW8260
Benzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/17/11		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
cis-1,2-Dichloroethene	6.9	1.0	ug/L	06/17/11		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/17/11		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL-THOMASTON CT  
Client ID: MW-42S

Phoenix I.D.: BA42270

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Styrene	ND	1.0	ug/L	06/17/11		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Tetrachloroethene	4.7	1.0	ug/L	06/17/11		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/17/11		R/T	SW8260
Toluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/17/11		R/T	SW8260
Trichloroethene	5.6	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	101		%	06/17/11		R/T	SW8260
% Bromofluorobenzene	88		%	06/17/11		R/T	SW8260
% Dibromofluoromethane	109		%	06/17/11		R/T	SW8260
% Toluene-d8	97		%	06/17/11		R/T	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

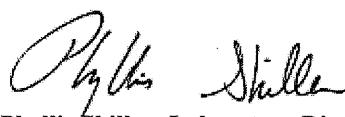
**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
June 24, 2011



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

June 24, 2011

FOR: Attn: Mr Phil Rydel  
 VHB, Inc.  
 54 Tuttle Place  
 Middletown CT 06457

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB-ENLF | MW 42  
 Rush Request:  
 P.O.#: 41426.02

### Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date 06/15/11 Time 10:30

06/16/11 17:17

SDG ID: GBA42267

Phoenix ID: BA42271

### Laboratory Data

Project ID: ENVIRITE LANDFILL-THOMASTON CT

Client ID: MW-42S DUP

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.048	0.002	mg/L	06/17/11		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	06/17/11		LK	6010/200.7
Chromium (Dissolved)	0.001	0.001	mg/L	06/17/11		LK	6010/200.7
Copper (Dissolved)	0.022	0.001	mg/L	06/17/11		LK	6010/200.7
Iron (Dissolved)	0.055	0.002	mg/L	06/17/11		LK	6010/200.7
Manganese (Dissolved)	0.004	0.001	mg/L	06/17/11		LK	6010/200.7
Sodium (Dissolved)	55.1	1.1	mg/L	06/21/11		LK	6010/200.7
Nickel (Dissolved)	0.028	0.001	mg/L	06/17/11		LK	6010/200.7
Zinc (Dissolved)	0.070	0.002	mg/L	06/17/11		LK	6010/200.7
Chloride	71	3.0	mg/L	06/17/11		BS/EG	300.0
Conductivity	611	5	umhos/cm	06/17/11		BS/EG	SM2510B
Ammonia as Nitrogen	0.05	0.02	mg/L	06/21/11		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	06/17/11	3:55	BS/EG	300.0
Nitrate as Nitrogen	10	0.25	mg/L	06/21/11	2:01	BS/EG	300.0/9056
Phenolics	< 0.015	0.015	mg/L	06/20/11		MF/GD	E420.4
pH	7.00	0.10	pH	06/17/11	6:54	BS/EG	4500-H B/9040
Sulfate	92	3.0	mg/L	06/17/11		BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	06/16/11		O/GD	335.4/9010
Tot. Diss. Solids	390	10	mg/L	06/17/11		KDB/CL	SM2540C
Total Organic Carbon	1.8	1.0	mg/L	06/18/11		JL	SM 5310B
Total Suspended Solids	31	5.0	mg/L	06/17/11		KDB/CL	SM2540D
Filtration	Completed			06/16/11		AG	0.45um Filter
Dissolved Metals Preparation	Completed			06/16/11		AG	SW846-3005
Tot. Org. Halogens	0.017	0.010	mg/L	06/20/11		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL-THOMASTON CT  
 Client ID: MW-42S DUP

Phoenix I.D.: BA42271

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Acetone	ND	25	ug/L	06/17/11		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/17/11		R/T	SW8260
Benzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/17/11		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
cis-1,2-Dichloroethene	6.9	1.0	ug/L	06/17/11		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/17/11		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL-THOMASTON CT  
Client ID: MW-42S DUP

Phoenix I.D.: BA42271

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Styrene	ND	1.0	ug/L	06/17/11		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Tetrachloroethene	4.8	1.0	ug/L	06/17/11		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/17/11		R/T	SW8260
Toluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/17/11		R/T	SW8260
Trichloroethene	5.6	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	106		%	06/17/11		R/T	SW8260
% Bromofluorobenzene	90		%	06/17/11		R/T	SW8260
% Dibromofluoromethane	115		%	06/17/11		R/T	SW8260
% Toluene-d8	97		%	06/17/11		R/T	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

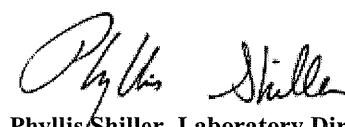
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller  
Phyllis Shiller, Laboratory Director  
June 24, 2011



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 24, 2011

FOR: Attn: Mr Phil Rydel  
 VHB, Inc.  
 54 Tuttle Place  
 Middletown CT 06457

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB-ENLF | MW 43  
 Rush Request:  
 P.O.#: 41426.02

### Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date 06/15/11 Time 12:30

Date 06/16/11 Time 17:17

SDG ID: GBA42267

Phoenix ID: BA42272

### Laboratory Data

Project ID: ENVIRITE LANDFILL-THOMASTON CT

Client ID: MW-43S

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.033	0.002	mg/L	06/17/11		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	06/17/11		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	06/17/11		LK	6010/200.7
Copper (Dissolved)	0.023	0.001	mg/L	06/17/11		LK	6010/200.7
Iron (Dissolved)	0.056	0.002	mg/L	06/17/11		LK	6010/200.7
Manganese (Dissolved)	0.054	0.001	mg/L	06/17/11		LK	6010/200.7
Sodium (Dissolved)	220	1.1	mg/L	06/21/11		LK	6010/200.7
Nickel (Dissolved)	0.027	0.001	mg/L	06/17/11		LK	6010/200.7
Zinc (Dissolved)	0.030	0.002	mg/L	06/17/11		LK	6010/200.7
Chloride	290	30	mg/L	06/21/11		BS/EG	300.0
Conductivity	1940	5	umhos/cm	06/17/11		BS/EG	SM2510B
Ammonia as Nitrogen	0.1	0.02	mg/L	06/21/11		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	06/17/11	4:05	BS/EG	300.0
Nitrate as Nitrogen	56	0.50	mg/L	06/21/11	2:11	BS/EG	300.0/9056
Phenolics	< 0.015	0.015	mg/L	06/20/11		MF/GD	E420.4
pH	6.60	0.10	pH	06/17/11	6:57	BS/EG	4500-H B/9040
Sulfate	230	30	mg/L	06/21/11		BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	06/16/11		O/GD	335.4/9010
Tot. Diss. Solids	1200	10	mg/L	06/17/11		KDB/CL	SM2540C
Total Organic Carbon	2.0	1.0	mg/L	06/18/11		JL	SM 5310B
Total Suspended Solids	89	5.0	mg/L	06/17/11		KDB/CL	SM2540D
Filtration	Completed			06/16/11		AG	0.45um Filter
Dissolved Metals Preparation	Completed			06/16/11		AG	SW846-3005
Tot. Org. Halogens	0.019	0.010	ug/L	06/20/11	*		SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Acetone	ND	25	ug/L	06/17/11		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/17/11		R/T	SW8260
Benzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/17/11		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
cis-1,2-Dichloroethene	8.4	1.0	ug/L	06/17/11		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/17/11		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL-THOMASTON CT  
Client ID: MW-43S

Phoenix I.D.: BA42272

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Styrene	ND	1.0	ug/L	06/17/11		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Tetrachloroethene	7.1	1.0	ug/L	06/17/11		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/17/11		R/T	SW8260
Toluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/17/11		R/T	SW8260
Trichloroethene	6.9	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	128		%	06/17/11		R/T	SW8260
% Bromofluorobenzene	81		%	06/17/11		R/T	SW8260
% Dibromofluoromethane	107		%	06/17/11		R/T	SW8260
% Toluene-d8	98		%	06/17/11		R/T	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

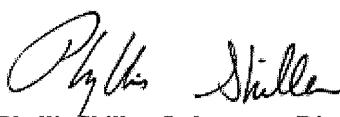
**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
June 24, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 24, 2011

FOR: Attn: Mr Phil Rydel  
VHB, Inc.  
54 Tuttle Place  
Middletown CT 06457

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB-ENLF | MW 43  
Rush Request:  
P.O.#: 41426.02

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date 06/15/11 Time 13:00

06/16/11 17:17

SDG ID: GBA42267

Phoenix ID: BA42273

### Laboratory Data

Project ID: ENVIRITE LANDFILL-THOMASTON CT

Client ID: MW-43D

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.025	0.002	mg/L	06/17/11		LK	6010/200.7
Cadmium (Dissolved)	0.001	0.001	mg/L	06/17/11		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	06/17/11		LK	6010/200.7
Copper (Dissolved)	0.189	0.001	mg/L	06/17/11		LK	6010/200.7
Iron (Dissolved)	0.009	0.002	mg/L	06/17/11		LK	6010/200.7
Manganese (Dissolved)	0.423	0.001	mg/L	06/17/11		LK	6010/200.7
Sodium (Dissolved)	209	1.1	mg/L	06/21/11		LK	6010/200.7
Nickel (Dissolved)	0.067	0.001	mg/L	06/17/11		LK	6010/200.7
Zinc (Dissolved)	0.182	0.002	mg/L	06/17/11		LK	6010/200.7
Chloride	270	30	mg/L	06/21/11		BS/EG	300.0
Conductivity	1810	5	umhos/cm	06/17/11		BS/EG	SM2510B
Ammonia as Nitrogen	1.9	0.02	mg/L	06/21/11		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	06/17/11	4:15	BS/EG	300.0
Nitrate as Nitrogen	44	0.50	mg/L	06/21/11	2:21	BS/EG	300.0/9056
Phenolics	< 0.015	0.015	mg/L	06/20/11		MF/GD	E420.4
pH	6.41	0.10	pH	06/17/11	7:01	BS/EG	4500-H B/9040
Sulfate	210	30	mg/L	06/21/11		BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	06/16/11		O/GD	335.4/9010
Tot. Diss. Solids	1200	10	mg/L	06/17/11		KDB/CL	SM2540C
Total Organic Carbon	1.6	1.0	mg/L	06/18/11		JL	SM 5310B
Total Suspended Solids	31	5.0	mg/L	06/17/11		KDB/CL	SM2540D
Filtration	Completed			06/16/11		AG	0.45um Filter
Dissolved Metals Preparation	Completed			06/16/11		AG	SW846-3005
Tot. Org. Halogens	0.086	0.010	ug/L	06/20/11		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Acetone	ND	25	ug/L	06/17/11		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/17/11		R/T	SW8260
Benzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/17/11		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
cis-1,2-Dichloroethene	77	5.0	ug/L	06/17/11		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/17/11		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL-THOMASTON CT  
Client ID: MW-43D

Phoenix I.D.: BA42273

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Styrene	ND	1.0	ug/L	06/17/11		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Tetrachloroethene	30	1.0	ug/L	06/17/11		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/17/11		R/T	SW8260
Toluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/17/11		R/T	SW8260
Trichloroethene	50	5.0	ug/L	06/17/11		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Vinyl chloride	4.4	1.0	ug/L	06/17/11		R/T	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	107		%	06/17/11		R/T	SW8260
% Bromofluorobenzene	87		%	06/17/11		R/T	SW8260
% Dibromofluoromethane	112		%	06/17/11		R/T	SW8260
% Toluene-d8	94		%	06/17/11		R/T	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

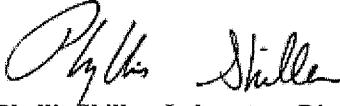
**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
June 24, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 24, 2011

FOR: Attn: Mr Phil Rydel  
VHB, Inc.  
54 Tuttle Place  
Middletown CT 06457

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB-ENLF | MW 44  
Rush Request:  
P.O.#: 41426.02

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date 06/15/11 Time 11:00

Date 06/16/11 Time 17:17

SDG ID: GBA42267

Phoenix ID: BA42274

### Laboratory Data

Project ID: ENVIRITE LANDFILL-THOMASTON CT

Client ID: MW-44D

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.034	0.002	mg/L	06/17/11		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	06/17/11		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	06/17/11		LK	6010/200.7
Copper (Dissolved)	0.005	0.001	mg/L	06/17/11		LK	6010/200.7
Iron (Dissolved)	< 0.002	0.002	mg/L	06/17/11		LK	6010/200.7
Manganese (Dissolved)	0.050	0.001	mg/L	06/17/11		LK	6010/200.7
Sodium (Dissolved)	93.0	1.1	mg/L	06/21/11		LK	6010/200.7
Nickel (Dissolved)	0.009	0.001	mg/L	06/17/11		LK	6010/200.7
Zinc (Dissolved)	0.029	0.002	mg/L	06/17/11		LK	6010/200.7
Chloride	120	15	mg/L	06/21/11		BS/EG	300.0
Conductivity	764	5	umhos/cm	06/17/11		BS/EG	SM2510B
Ammonia as Nitrogen	0.12	0.02	mg/L	06/21/11		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	06/17/11	4:25	BS/EG	300.0
Nitrate as Nitrogen	6.6	0.05	mg/L	06/17/11	4:25	BS/EG	300.0/9056
Phenolics	< 0.015	0.015	mg/L	06/20/11		MF/GD	E420.4
pH	7.00	0.10	pH	06/17/11	7:04	BS/EG	4500-H B/9040
Sulfate	74	3.0	mg/L	06/17/11		BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	06/16/11		O/GD	335.4/9010
Tot. Diss. Solids	420	10	mg/L	06/17/11		KDB/CL	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	06/18/11		JL	SM 5310B
Total Suspended Solids	11	5.0	mg/L	06/17/11		KDB/CL	SM2540D
Filtration	Completed			06/16/11		AG	0.45um Filter
Dissolved Metals Preparation	Completed			06/16/11		AG	SW846-3005
Tot. Org. Halogens	0.021	0.010	ug/L	06/20/11		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL-THOMASTON CT  
 Client ID: MW-44D

Phoenix I.D.: BA42274

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Acetone	ND	25	ug/L	06/17/11		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/17/11		R/T	SW8260
Benzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/17/11		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
cis-1,2-Dichloroethene	13	1.0	ug/L	06/17/11		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/17/11		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL-THOMASTON CT  
Client ID: MW-44D

Phoenix I.D.: BA42274

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Styrene	ND	1.0	ug/L	06/17/11		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Tetrachloroethene	5.0	1.0	ug/L	06/17/11		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/17/11		R/T	SW8260
Toluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/17/11		R/T	SW8260
Trichloroethene	8.0	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	106		%	06/17/11		R/T	SW8260
% Bromofluorobenzene	85		%	06/17/11		R/T	SW8260
% Dibromofluoromethane	112		%	06/17/11		R/T	SW8260
% Toluene-d8	96		%	06/17/11		R/T	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

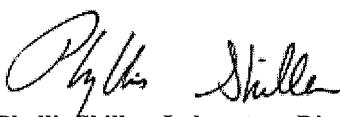
**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director  
June 24, 2011



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

June 24, 2011

FOR: Attn: Mr Phil Rydel  
 VHB, Inc.  
 54 Tuttle Place  
 Middletown CT 06457

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB-ENLF | MW 44  
 Rush Request:  
 P.O.#: 41426.02

### Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date 06/15/11 Time 12:00

Date 06/16/11 Time 17:17

SDG ID: GBA42267

Phoenix ID: BA42275

### Laboratory Data

Project ID: ENVIRITE LANDFILL-THOMASTON CT

Client ID: MW-44B

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.020	0.002	mg/L	06/17/11		LK	6010/200.7
Cadmium (Dissolved)	0.001	0.001	mg/L	06/17/11		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	06/17/11		LK	6010/200.7
Copper (Dissolved)	0.006	0.001	mg/L	06/17/11		LK	6010/200.7
Iron (Dissolved)	0.045	0.002	mg/L	06/17/11		LK	6010/200.7
Manganese (Dissolved)	0.558	0.001	mg/L	06/17/11		LK	6010/200.7
Sodium (Dissolved)	128	1.1	mg/L	06/21/11		LK	6010/200.7
Nickel (Dissolved)	0.040	0.001	mg/L	06/17/11		LK	6010/200.7
Zinc (Dissolved)	0.098	0.002	mg/L	06/17/11		LK	6010/200.7
Chloride	180	15	mg/L	06/21/11		BS/EG	300.0
Conductivity	1140	5	umhos/cm	06/17/11		BS/EG	SM2510B
Ammonia as Nitrogen	< 0.02	0.02	mg/L	06/21/11		WM	E350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	06/17/11	4:35	BS/EG	300.0
Nitrate as Nitrogen	18	0.25	mg/L	06/21/11	2:41	BS/EG	300.0/9056
Phenolics	< 0.015	0.015	mg/L	06/20/11		MF/GD	E420.4
pH	6.91	0.10	pH	06/17/11	7:07	BS/EG	4500-H B/9040
Sulfate	130	15	mg/L	06/21/11		BS/EG	300.0
Total Cyanide	< 0.01	0.01	mg/L	06/16/11		O/GD	335.4/9010
Tot. Diss. Solids	640	10	mg/L	06/17/11		KDB/CL	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	06/18/11		JL	SM 5310B
Total Suspended Solids	< 5.0	5.0	mg/L	06/17/11		KDB/CL	SM2540D
Filtration	Completed			06/16/11		AG	0.45um Filter
Dissolved Metals Preparation	Completed			06/16/11		AG	SW846-3005
Tot. Org. Halogens	0.048	0.010	ug/L	06/20/11		*	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL-THOMASTON CT  
 Client ID: MW-44B

Phoenix I.D.: BA42275

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Acetone	ND	25	ug/L	06/17/11		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/17/11		R/T	SW8260
Benzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/17/11		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/17/11		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
cis-1,2-Dichloroethene	32	5.0	ug/L	06/17/11		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/17/11		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/17/11		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/17/11		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/17/11		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260

Project ID: ENVIRITE LANDFILL-THOMASTON CT  
Client ID: MW-44B

Phoenix I.D.: BA42275

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/17/11		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Styrene	ND	1.0	ug/L	06/17/11		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Tetrachloroethene	7.2	1.0	ug/L	06/17/11		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/17/11		R/T	SW8260
Toluene	ND	1.0	ug/L	06/17/11		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/17/11		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/17/11		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/17/11		R/T	SW8260
Trichloroethene	19	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/17/11		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/17/11		R/T	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	106		%	06/17/11		R/T	SW8260
% Bromofluorobenzene	84		%	06/17/11		R/T	SW8260
% Dibromofluoromethane	111		%	06/17/11		R/T	SW8260
% Toluene-d8	95		%	06/17/11		R/T	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

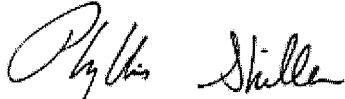
**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.  
\* TOX analyzed by CT certified lab #PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

This report must not be reproduced except in full as defined by the attached chain of custody.

  
Phyllis Shiller, Laboratory Director  
June 24, 2011



## CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
 Email: service@phoenixlabs.com Fax (860) 645-0823

**Client Services (860) 645-8726**

Temp 60 Pg 1 of 2

**Data Delivery (check one):**

- Fax #: \_\_\_\_\_  
 Email: **PRYDEL@JLBS.COM**  
 Format:  Excel  Pdf  Gis Key

Customer: VHB, Inc.  
 Address: 54 Tittle Place  
 Middletown, CT

VHB-ENV

Project: Envrite Landfill - Thomaston CT  
 Report to: Mr. Phil Rydel  
 Invoice to: Envrite 490 Norristown Rd, Suite 252, Blue Bell PA

Project P.O: **41426.02**  
 Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

Client Sample - Information - Identification					Analysis Request											
Sampler's Signature	PMR	6/15/11	Date		Dissolved Ba, Cd, Cr, Cu, Fe, Mn, Na	Dissolved Ni, Zn	Total Cyanide	Chloride, NO <sub>2</sub> , NO <sub>3</sub> , pH, SO <sub>4</sub>	Conductivity, TDS, TSS	VOC by 8260	NH <sub>3</sub> , TOX, Phenols, TOC	Soil VOA Vials (1 methanol (1 oz)	GL Soil container (40 ml VOA Vial (1 oz)	GL Amber 100ml (1 As is 1x HCl (1 oz)	PL As is 1x 250ml (1 As is 1x 1H2SO4 (1500ml (1000ml)	GL H2SO4 (1x 250ml (1 HNO3 250ml (1 NaOH 250ml (1 Bacteria Bottle
Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1
MW-30	GW				X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1
MW-31S	GW				X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1
MW-33	GW				X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1
MW-36	GW				X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1
400267	- MW-41S	GW	6/15/11	2:00	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1
400268	- MW-41D	GW	6/15/11	3:00	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1
400269	- MW-41B	GW	6/15/11	4:00	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1
400270	- MW-42S	GW	6/15/11	10:00	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1
400271	- MW-42S DUP	GW	6/15/11	10:30	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1
400272	- MW-43S	GW	6/15/11	12:30	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1
400273	- MW-43D	GW	6/15/11	1:00	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1
400274	- MW-44D	GW	6/15/11	11:00	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1	2 1 1/1 1
Requisitioned by:	Accepted by:		Date:	Time:												
<i>[Signature]</i>	<i>[Signature]</i>		6/16/11	11:42												
<i>[Signature]</i>	<i>[Signature]</i>		6/16/11	12:17												

Comments, Special Requirements or Regulations:

**Turnaround:**

- 1 Day\*  
 2 Days\*  
 3 Days\*  
 Standard  
 Other

\* Surcharge Applies

**Requirements for CT**

- Res. Criteria  
 GW Protection  
 GA Mobility  
 GB Mobility  
 SW Protection  
 Res. Vol.  
 Ind. Vol.

**Requirements for MA**

- GW-1  
 GW-2  
 GW-3  
 S-1  
 S-2  
 S-3  
 MCP Certification  
 Other

